



ADMINISTRATION REPORT
OF
THE GOVERNMENT MUSEUM, MADRAS
THE NATIONAL ART GALLERY, MADRAS
THE GOVERNMENT MUSEUM, PUDUKKOTTAI
AND
THE CONNEMARA PUBLIC LIBRARY
(Exchange Section), MADRAS

FOR THE YEAR
1964-65

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GOVERNMENT OF MADRAS
1966

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1966

ADMINISTRATION REPORT FOR 1964-65.

GOVERNMENT MUSEUM, MADRAS-8.

General.

Distinguished visitors.—The following were the distinguished visitors who visited the Government Museum and the National Art Gallery, Madras, during the period under report.

1. Dr. A. C. Broad, Professor of Zoology, Ohio State University, U.S.A.
2. Mr. Hansen, Assistant Regional Representative, British Council, Madras.
3. Dr. Hans Bumeder, Vice-President of the International Federation of the Modern Languages Technique and Chairman of the Australian Modern Languages Association.
4. Messrs. Y. V. Gankovski and V. N. Moskolenko, Soviet Scientific Workers.
5. Dr. N. V. Chevok Savov and Mr. M. K. Kundyavtsor, Russian Scientists.
6. Mr. M. R. Appa Rao, Minister of Excise, Prohibition and Cultural Affairs, Andhra Pradesh.
7. Mr. P. S. Rawson, Unesco Expert in Museology.
8. Mr. Daniel F. Rubin De La Borbolla, Director, National Museum, Mexico.
9. Mr. John D. R. T. Tilney, Member of U. K. Parliament.
10. Mrs. Breskin, Retired Director, National Gallery of Art, Washington D.C.
11. Professor Birshetein, Moscow State University.
12. Miss. Lilea Mesa Cebbalos of Cuba
13. Miss. Edith Toth, Curator, Indian Section, Museum of Eastern Asiatic Art, Budapest, Hungary.

All the above distinguished visitors were received by the Director of Museums and the concerned Curators and taken round the galleries. The Director of Museums also served as Liaison Officer in connection with the visit of Miss Edith Toth, Curator of the Museum of Eastern Asiatic Art, Budapest, Hungary, and arranged for her visits to the monuments in Mahabalipuram and Kancheepuram in addition to the Museum and other places of interest in the city.

Special exhibitions.—The following special exhibitions were arranged during the year at the Government Museum, Madras.

1. Natural Abrasives.
2. Vegetable Insecticides.
3. German costume dolls.
4. Macaw parrots.
5. Tribal photographs exhibition.
6. African crowned crane.
7. Manganese ores.

Lectures and demonstrations.—As in the previous years, demonstrations to the teachers of the local High Schools were conducted during the months of November and December 1964 and January 1965 for the benefit of the 22 teachers of the various local High Schools in the Museum Galleries on Saturdays. These demonstrations enable the teachers in their turn to guide the pupils round the galleries intelligently.

During the year, the Director of Museums delivered a series of three lectures on methods of museum display, cataloguing, card-indexing, etc., to the students of the M.A. degree course in Archaeology of the Madras University, a lecture on "Museums of Science and Industry in Western Countries" at a meeting of the Royal Institute of Chemistry, Madras and at the A.C. College of Technology, Gundy. The Director of Museums also delivered a Radio Talk on "Indian Butterflies" in the External Services of the All-India Radio.

International Campaign for the protection of historical monuments sponsored by the UNESCO.—The Museum arranged a Special Exhibition of photographs, sculptures, etc., for a fortnight from 2nd to 14th November 1964 at the Centenary Hall to mark the campaign. A series of lectures on topics connected with the care and preservation of monuments by eminent scholars were also arranged during this period in connection with the campaign. The Director of Museums delivered a lecture on 'Monuments in Museum' in the above series.

Audio visual aids.—Sale of the miniature bronze replicas of Rama and Sita and Nataraja, and the electroplated metal casts of coins were continued as usual, during the year. Sale of picture post cards, photographs and photographic albums was also continued.

Reorganization and development of the museum.—Under the Centrally-sponsored scheme for the Reorganization and Development of the Museum for the Third Five-Year Plan period, the modernization of the Ethnology, Kathakali, Bird and Geology Galleries were continued during the year. The second Ethnology Gallery and the Gallery containing Kathakali figures and objects relating to mythology, folklore, etc., in the first floor of the front building were completely modernized by installing a series of built-in, internally illuminated cases and the display of the exhibits in these cases was completed. Similarly the modernization of the Bird Gallery was continued and four more large units consisting of systematic cases alternating with dioramas were built with concealed fluorescent lighting and the bills displayed therein. Three new dioramas comprising the Horned owl, Flamingos and Demoiselle cranes were constructed. In the Geology Gallery a long series of illuminated modernized cases were built and installed along the centre of the gallery. A new gallery of Buddhist Antiquities was organized and thrown open, in the Archaeological section. A hall for the Numismatics Gallery was constructed at a cost of Rs. 22,000. The Chemical Conservation Laboratory was better equipped by acquiring an X-ray apparatus, Spectrophotometer and other apparatus.

Central Advisory Board of Museums.—The Director of Museums attended the meetings of the Central Advisory Board of Museums and the Standing Committee of the Central Advisory Board of Museums at Patna in December 1964 as a representative of this State.

The Museums Association of India.—The Director of Museums attended the Annual Meeting of the Museums Association and participated in the Seminar held in connection with it by reading a paper on "Children's Museums and their role in Education" at Patna in December 1964. He also presided over the Sectional Meeting of the Museums Association arranged for those interested in Natural History and read a paper on "Natural History in Indian Museums".

Essay competition.—An essay competition on the subject "The importance of a School Museum as an aid to Education" for the "Dr B. Sundararaj Prize" was held in December 1964 for the students of the XI standard of schools in the Madras State. Sri T. S. Chandrasekharan, a student of the Municipal High School, Mayuram, was adjudged the winner and he was awarded the prize.

Museums camp on Indian painting.—Sri N. Harinarayana, Curator, Chemical Conservation Section, Government Museum, Madras, and Sri M. Raghupathy, Curator, Government Museum, Pudukkottai were deputed to attend the Museums camp on Indian Painting organized by the Ministry of Education, Government of India at Varanasi, in October 1964.

THE GOVERNMENT MUSEUM, PUDUKKOTTAI.

The Director of Museums undertook a tour to Pudukkottai in August 1964, inspected the Government Museum, Pudukkottai and submitted a report on the inspection suggesting several improvements.

Padmanabhapuram Palace and Museum of Antiquities.—The Director of Museums undertook a tour to Padmanabhapuram from 25th June to 27th June 1964 and inspected the Padmanabhapuram Palace and Museum Antiquities in Kanyakumari district and submitted a report on the inspection.

Publications.—The following publications were brought out by the Museum during the years:—

1. Guide to Mammal Gallery—by S. T. Satyamurthi, M.A., D.S.E., F.R.S.
2. Hand-Book of Madras Government Museum—edited by S. T. Satyamurthi, M.A., D.S.E., F.Z.S.
3. Guide to the Anthropological Exhibits—by C. J. Jayadev.
4. Nolamba Sculptures—by C. Sivaramamurthi, M.A.
5. Administration Report for the year 1961-62.

The following publications were in the Press during the years:—

1. Descriptive catalogue of the Butter-flies in the collection of Madras Government Museum—by S. T. Satyamurthi, M.A., D.S.E., F.Z.S.
2. Indian Epigraphy and South Indian Scripts—by C. Sivaramamurthi (reprint).
3. Dowlaishwaram Hoard of Eastern Chalukyan and Chola Coins—by T. Balakrishnan Nair.
4. Guide to the principal exhibits in the Government Museum, Pudukkottai—by M. S. Chandrasekhar.
5. Guide to the Childrens Gallery by A. Vimala.
6. South Indian Amphibia in the collection of Madras Government Museum—by S. T. Satyamurthi, M.A., D.S.E., F.Z.S.
7. Guide to the Invertebrate Galleries.

The Director of Museums published popular articles on "Crabs curious and Crazy" and "The Cucumbers of the Sea" in the Weekly Section of the "Hindu" and another on the "Madras Government Museum" in the new magazine "Traveller in India" brought out by the Department of Tourism, Government of India. The Director's handbook on the "Biological preservatory techniques" was in the Press under publication by the Department of Museology, University of Baroda.

ZOOLOGY SECTION.

Additions to the collections.—The following specimens were added to the collections during the year under reports:—

1. A study skin of the Cheetah or Hunting Leopard (*Acinonyx jubatus*).
2. The Darter or Snake-bird (*Anhinga melanogaster*).
3. Two study skins of Little Egrets (*Egretta garzetta garzetta*).
4. Two study skins of Cattle Egrets (*Bubulcus ibis*).
5. The Kora or Water-cock (*Gallicrex cineria*).
6. A pair of the Black Partridges (*Francolinus francolinus*).
7. A collection of thirty bird skins.
8. Two specimens of Little Egrets (*Egretta garzetta garzetta*).

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9. The Cattle Egret with breeding plumage (*Bubulcus ibis*).
10. The Little Cormorant (*Phalacrocorax niger*).
11. The Brahminy Kite (*Haliastur indus*).
12. A pair of the Red-winged Crested Cuckoos (*Clamator coromandus*).
13. The Common King fisher (*Alcedo atthis*).
14. The Crow Pheasant (*Centropus sinensis*).
15. The Tree pie (*Dendrocitta vagabunda*).
16. The Golden Oriole (*Oriolus oriolus*).
17. The White Scavenger Vulture (*Neophron percnopterus ginginiatus*).
18. A collection of ten shells.
19. The Chucar Partridge (*Alectoris gracea chucar*).
20. A study skin of the Mouse Deer (*Moschiola meminna*).
21. The African Crowned Crane (*Balearica pavonina*).
22. A study skin of the Malabar Giant Squirrel or the Indian Giant Squirrel (*Ratufa indica*).
23. A study skin of the Peacock with damaged tail feathers (*Pavo cristatus*).
24. A study skin of the Indian Long-billed Vulture (*Gyps indicus indicus*).
25. The Ring-necked Pheasant (*Phasianus torquatus*).
26. The Spot-bill (*Anas poeciloryncha*).

Work in the galleries—Additions to the galleries.—The following were added to the galleries during the year under report:—

1. The Black Bittern (*Dupetor flavicollis*).
2. The White Peacock (*Pavo cristatus*).
3. The Common Mongoose (*Herpestes edwardsii*).
4. The Spotted-billed Pelican (*Pelicanus philipensis*).
5. The Brown-headed Gull (*Larus brunnicephalus*).
6. The Dartel or Snake bird (*Anhinga melanogaster*).
7. The Kora or Water-cock (*Gallicrex cineria*).
8. A pair of the Black Partridge (*Francolinus francolinus*).
9. The Assam Giant Squirrel (*Ratufa gigantea*).
10. A pair of Red Winged Crested Cuckoos (*Clamator coromandus*).
11. The Common King-fisher (*Alcedo atthis*).
12. The Crow Pheasant (*Centropus sinensis*).
13. The Tree pie (*Dendrocitta vagabunda*).
14. The Golden Oriole (*Oriolus oriolus*).
15. The African Crowned Crane (*Balearica pavonina*).
16. The Shikra (*Astur badius*).

Improvements to Galleries—Coral Gallery.—The enlarged model of Paramecium which was provided with, painted labels pasted over cork bits and painted indicators, was exhibited in this gallery. The centre case containing the large sponge (*Petrosia* sp) was distempered.

Invertebrate Gallery.—Eight sloping cases were distempered and the shell specimens were rearranged inside them. Indian ink diagrams of the Spiny Lobster, *Apus* and Scorpion were drawn on photographic prints and after bleaching them they were exhibited in this gallery. Ten more smaller Indian ink diagrams were drawn and exhibited to replace the old discoloured ones. All the large shell specimens such as the Helmet shells, Begger bowl shells, etc., were mounted vertically on wooden pedestals

and re-exhibited in this Gallery. New labels for the shell specimens were got printed on ledger paper and they were fixed on to the pedestals over which the shell specimens are mounted and then the shells were re-exhibited inside two of the sloping cases in this gallery. Indian ink diagrams illustrating the orders Trichoptera and Strepsiptera (not represented previously in this gallery) were drawn and exhibited along with the other insect groups. The old disfigured specimen of *Bornella digitata* exhibited in this gallery was replaced by a good one selected from the reserve collection.

Fish Gallery.—The jaws of the shark were mounted on a newly made wooden pedestal in the normal posture and re-exhibited in the Fish gallery. The thin cracks noticed at the anterior part of the Whale Shark were filled up with 'compo' and touched up with suitable colour paints. Re-arrangement of Fishes as per the latest classification was taken up and completed during the year. Two specimens of Rays were renovated and re-exhibited in this gallery.

Amphibian Gallery.—The photograph of a toad was fixed on a mount and after re-binding with calico it was again exhibited in this gallery. Clamps were provided to one of the centre cases showing the habitat group of the Green Frog so as to keep it in proper position.

Reptile Gallery.—Two of the wax casts of snakes were renovated and re-exhibited inside a wall-case in this gallery.

Bird Gallery.—Four units of modernised show-cases were newly constructed and installed in continuation with the existing ones in this gallery during the year. Fixing of bird specimens inside eight of the newly added systematic modernised show cases was started and completed. The dioramas of the Owls, Flamingoes and the Demioselle Cranes were completed in this gallery. The old Seagull specimen exhibited inside the diorama was replaced by a fresh one collected at Mahabalipuram. Wooden pelmets for the windows and the main entrance were provided in the Bird Gallery in the new Natural History Block. All the brass brackets with which the bird specimens were fixed inside all the modernised show cases were painted with suitable green colour to match with the background. The beaks of the two Pelicans were painted suitably to give a natural appearance. Eighteen of the modernised show cases were provided with both English and Tamil labels made of wooden painted cutout letters. The White Peacock and four Macaw Parrots were exhibited inside the two remodelled show-cases in the new Bird Gallery. Re-arrangement of the Passerine birds, was taken up and completed in the new Bird Gallery during this year. The small diorama of the African crowned crane which was arranged as special exhibition was transferred to the Bird Gallery in the new Natural History Block.

Mammal Gallery.—The Bear, the Common Hare, the Porcupine, the Wild Boar, the Mouse Deer, the Sambar, the old Madras Langur and a skeleton of the Bandicoot were renovated and re-exhibited in the Mammal Gallery. The old large wall case inside which the African Lion was exhibited was remodelled and the same specimen was re-exhibited inside this case after providing it with artificial illumination and a single large glass pane in front. Old show cases containing the civets and mungoses were remodelled and after providing them with artificial lighting and glass door made of a single glass pane, the same specimens were exhibited again. The heavy wooden floor of the large show-case containing the Sambar specimen was replaced by another one made of light wood. The interior of the show case containing the specimens of the Mouse Deer was repainted.

General galleries.—The specimen of the Orang-utan was renovated and re-exhibited in the Foreign Animals Gallery. The flooring in the Foreign Animals Gallery was repaired and after this work was completed the show-cases were re-arranged. The specimen of the Tapir exhibited in this gallery was renovated and re-exhibited. The background lining cloth of the large wall case containing the specimen of the bat and its skeleton in the "Flight in Animals" Gallery was painted light cream colour. The wall cases containing the Deadleaf Butterfly Flying Frog and the Flying Lizard in the "Flight in Animals" gallery were provided with new labels fixed inside the wooden

frames. The dislocated Zygomatic arches of one of the Indian Elephant skulls exhibited in the skeleton gallery were remounted in the proper positions. The two centre cases containing the foot and the skeleton of the foot of the Indian Elephant were painted with surface primer paint.

The routine weekly gallery checking of the galleries by the Curator, dusting of the interior of show-cases, cleaning of glass panes of show-cases, provision of naphthalene balls, replacement of broken glass panes by goods ones, rectifying minor defects, refilling, bladdering and painting of the gallery specimen jars and provision of lysol and camphor plugs and powdered naphthalene for the gallery insect cabinets and exhibition boxes, were continued during the year as usual.

Labelling.—The replacement of old discoloured labels by newly printed ones was continued in different galleries as usual. The shell specimens exhibited inside two of the sloping cases were provided with new labels printed on the ledger paper. Touching up of the old painted labels fixed on to the show-cases was continued as usual in different galleries. About two hundred boxes containing the reserve collections of shells were provided with new labels and to preserve them from insect attack they were also covered with a layer of wax containing naphthalene.

Preservation of reserve collection.—Personal attention was given by the Curator to the thorough cleaning and replenishing with fresh preservatives (rectified spirit or formalin, as the case may be), of the large number of reserve collection jars. Old washers of the Kilner jars were replaced by new ones. The labels written in Indian ink were pasted on the jars wherever the old labels were found defaced discoloured and moth-eaten. The cabinet drawers and boxes containing reserve collections of dry preserved insects, crabs shells, etc. were systematically provided with fresh lysol and camphor plugs and all the glass panes of the Insect drawers were thoroughly cleaned while giving the preservatory treatments to the specimens. Provision of naphthalene balls and spray of 'tik-20' was carried out systematically for the cup-boards and drawers containing reserve collection boxes of dry preserved shells, corals, etc. The reserve collection of Bird skins was examined periodically and provided with naphthalene powder and spray of 'tik-20'.

Research and publications.—

1. The Curator continued his research work on the Grasshoppers (Family Acrididae).
2. The Bulletin on South Indian Butterflies by the Director is under publication.
3. The Bulletin on South Indian Amphibians of the Director is under publication.
4. The Guide to the Mammal Gallery by the Director was published during the year.
5. The Guide to the Invertebrate Gallery by the Director is under publication.
6. The manuscript for the Guide to the Bird Gallery is being prepared by the Director.

Educational work—A special exhibition of the Macaw Parrots was arranged during October and November 1964. Another special exhibition of the African crowned crane was arranged during the months of February and March 1965. The Museum demonstration for High School teachers was conducted on 28th November 1964. Two students of museology from Baroda University were given training for fifteen days in the section. Mr. Rowshan Akhtar, Technical Assistant, Central Marine Fisheries, Tuticorin, was given training in the section for fifteen days. Mrs. Kumerasan from the Corporation High School, Vepery, Madras, was given training in preparing the plaster casts and model of some of the organs of human body. Mr. Thivari from Raipur Museum was given training in the section for fifteen days. Selected specimens were given on loan to the Queen Mary's College, Madras, for arranging an exhibition in connection with their Golden Jubilee celebrations. Dr. Gerhard Nenweiler, a German Research Scholar from the Madras University was afforded facilities to examine the specimens of bats in the reserve collection in connection with his research work. Mr. George M. Davis, Associated Researcher (Malacology), Museum of Zoology, University of Michigan, was

allowed to examine the shell collections of this Museum in connection with his research work. Dr. C. T. Cornelius was provided with the photographic prints of two Food fishes. Mr. Chokkalingam, Research Assistant, Madras University, was allowed to see the reserve collection of crabs. Prof. Uschmann, University of Jena, Germany, delivered a lecture to the Curators when he visited this Museum. Three M. A. (Fine Arts) students were given training for one week in the section. Mr. Vaideeswaran, a writer of Tamil books for children, was given necessary information about the common birds of South India to help him in writing a Tamil book for children about the interesting habits of birds. Prof. Davis, Indian Statistical Institute, New Delhi, was furnished with the measurements of the different parts of the Coconut crab exhibited in the Invertebrate gallery in connection with his research work. The shell specimens sent by Dr. A. P. Mathew Mar Ivanios College, Trivandrum, were identified and returned to him. Dr. Manzo Chiji, Curator of the Museum of Natural History, Osaka, Japan, visited the Museum and studied the display of Zoological specimens in this Museum. Photographic enlargements (8 inches by 6 inches) illustrating specimens of fishes were prepared and sent to the Government Museum, Pudukkottai for exhibition in its galleries.

Photographs added during the year.—Sixty-two photographs were added during the year. The relevant particulars are furnished in Appendix V.

Plans for the year 1965-66.—Fixing of labels made of wooden painted cutout letters for the rest of the modernised show cases will be completed in the Bird Gallery. Plans and estimates will be prepared for the modernisation of the Skeleton and Reptile Galleries. The worn out rimlocks of the show cases in different galleries will be replaced by new ones. The arches above the windows in the Bird Gallery will be covered by means of asbestos sheets to make the Gallery free from glare and reflections. Provision of new labels to the reserve collection boxes containing shell specimens will be continued. Fresh photographs illustrating the natural surroundings of the Indian Elephant will be prepared and put up in the skeleton Gallery replacing the old and discoloured ones. Printing of a set of picture post cards illustrating the different colourful butter flies will be prepared. Modernisation in the Bird Gallery will be continued during the year.

BOTANY SECTION.

New additions to the collections (including reserves).—Roots of *Derris scandens* and *Acorus calamus*, root bark of *Ventilago maderaspatana*, seeds of *Psoralea corylifolia* and *Madhuca longifolia* and three charts of life-cycles of ferns, clubmosses and horsetails, were the new additions during the year.

New additions to the galleries.—Herbarium exhibits in the Systematic Botany gallery were supplemented with nineteen additions from the reserve collections.

Improvements to the galleries.—In the Systematic Botany, Gallery, four exhibits of mosses and lichens were given special mounts and displayed vertically. The display of herbarium specimens and charts was improved. The cornices in the gallery were repaired and rendered safer.

In the Economic Products Gallery, the exhibits of fibres were re-arranged so as to reduce their congestion. The spray-painting in three built-in-wall show-cases, was renewed. Minor repairs were carried out to the ceiling. Plans were drawn up and estimates were obtained for modernising the central part of this gallery.

Labelling and preservation.—Sheets of two herbarium exhibits of *Derris* and *Pyrethrum* in the Economic Products Gallery, were renewed. Attractive wooden railings were erected in front of the modernised cases in this gallery, as a measure of protection for the costly front glass panes of the show-cases.

In the reserve collections, sheets of two old herbarium specimens were renewed. Forty-five herbarium specimens were poisoned, and sixteen were neatly mounted for display. Seeds of *Psoralea corylifolia*, leaves of *Azadirachta indica*, roots of *Derris scandens*, leaves of *Mesua longifolia* flowers of *Pyrethrum* sp., leaves of *Solanum tabacum*, roots of *Acorus calamus*, seeds of *Madhuca longifolia*, and roots of *Ventilago maderaspatana* were preserved dry and mounted. The state of preservation of five specimens of cotton was improved. Three charts of Pteridophytes were mounted for display.

The labels of two herbarium exhibits in the Systematic Botany Gallery, and of two exhibits of vegetable oils in the Economics Products Gallery, were renewed. Sixteen herbarium specimens in the reserve collections were provided with neat hand-written labels. Ninety-four impressions obtained from printing blocks and twenty-five photographs were supplied with legends.

One-hundred-and-sixty-one photographic negatives and 118 printing blocks were indexed.

Index cards were prepared for 116 exhibits in the Systematic Botany Gallery, and for 168 herbarium specimens in the reserve collections.

The Botany Galleries had to be kept closed, however, for over 5 months, for facilitating the construction of a new hall on an adjacent terrace, during the year under review.

Research.—A study-tour to the Madras Christian College Herbarium was undertaken by the Curator. The collections there and in the Presidency College Herbarium were studied, and consequently two of the ferns in the research-collections were re-identified. Preparation of synonyms of the general and species in the Curator's work, was taken up.

Results obtained from the study of distribution of heat inside modernised show cases with internal tube-lighting, were consolidated together.

A paper entitled "The Cinderella of the Natural History Museums" was contributed to the seminar on Natural History Museums, that was conducted by the Museums Association of India.

The Garden was surveyed and sketched and schemes for its improvements were prepared.

A register for the printing blocks in the section, was opened and 118 blocks were registered in it.

Publications.—The printing of the Guide to the Principal Exhibits in the Government Museum Pudukkottai, made slow progress in the Press. A paper on the distribution of heat inside show-cases with internal tube-lighting, was prepared for publication in the Bulletin of the West Bengal Museums Association.

Publications added to the Sectional Library during the year, were Niels Førged's "Freshwater Diatoms from Spisbergen", Ph. Guinet's "Pollens D' Asie Tropicale", A. H. Smith's "The Mushroom Hunter's Field Guide", S. T. Satyamurti's "Handbook of the Madras Government Museum", and the Royal Society's "General Notes on Preparation of Scientific Papers".

Special exhibitions.—A special exhibition of vegetable insecticides was conducted for over two months. The Section participated also in the Vanamahotsava this year.

Lectures.—Lectures on Phyto-museology were delivered to a couple of post-graduate students from the Baroda University. Lectures were also delivered on preservation and display of botanical objects when required for art purposes, to a party of art students from the Stella Maris College, Madras. Demonstration lectures were given in the public galleries to a batch of teachers from the High Schools in the City.

Facilities afforded to research workers and others.—Facilities were afforded as usual to research workers and others, some of the beneficiaries being Sri Thanigai Mani of the French Institute, Pondicherry; Sri Appasami and Sri Haneef, practitioners of indigenous medicine, Wandiwash; Sri Reddiappa Naidu of the All-India Handloom Board; Sri V. N. Tiwari of the M. G. M. Museum, Madhya Pradesh; Prof. Grummer of Germany (now in Calcutta), and Prof. M. Ekambaramathia Iyer, Gopalapuram, Madras.

Photographs added.—Two photographic sketches of air-tight Aluminium cabinets in use for the herbarium in the Budapest Natural History Museum, Hungary, were procured free from the Director of the Museum, and added. Broad structural details of a built-in-wall show-case in the Economic Products Gallery, were sketched and photographed. Impressions of 69 old printing blocks were prepared and 88 such impressions were pasted in the Albura opened for the purpose.

Plans for the year 1965-66.—Specimens for the herbarium and for a few proposed dioramas will be collected.

The Systematic Botany Gallery will be enlivened with additions of select models. Samples of green manures will be added to the exhibits in the Economic Products Gallery.

The rim-locks of all the show-cases in the Systematic Botany Gallery will be renewed. The central part of the Economic Products Gallery will be modernised.

A bulletin on ferns will be got ready for the Press. The manuscripts of a brief guide to the Economic Products Gallery will be prepared with illustrations.

The printing of the Guide to the Pudukkottai Museum, will be speeded up. A set of six coloured picture post-cards on botanical topics will be prepared.

A special exhibition of vegetable dyes will be conducted.

Photographs of select plants in their natural environs will be prepared, for facilitating the proposed construction of dioramas work in the galleries.

GEOLGY SECTION.

Additions to the collections.—Cores containing coal and ores of lead, zinc and copper were received from the Superintending Geologist, Geological Survey of India, Myslapore.

Specimens of metallurgical coke, coking coal, non-coking coal, weakly coking coal and lignite were received from the Director, Central Fuel Research Institute, Bihar.

A specimen of ball clay was received from the Andhra Pradesh Mining Corporation.

Specimens of amethyst, banded agate, banded agate with amethyst crystals, banded chert with quartz, green apophyllite, stilbite and zeolites (4) were purchased from Sri F. Makki of Friend's Agency, Dehu Road Cantonment, Bombay-Poona line.

Additions to the galleries.—A specimen of dunite was added to igneous rocks.

Sixty-nine specimens pertaining to Building stones were exhibited in the galleries.

Improvements to the galleries.—Modernised built-in-show-cases were being set up in the Central portion of the Geology Hall. Wall show-cases were made and fixed in the galleries and 69 specimens of building stones in the reserve collections were exhibited in them. Teak-wood beadings in place of putty were provided for 20 glass panes in the sloping cases in the Economic Geology Gallery. The sloping cases pertaining to Pottery, Pencil Manufacture and South Arcot Lignite were re-varnished. The wooden trays on which the mineral specimens pyrope and lapis lazuli were mounted were removed and the specimens were mounted on plaster pedestals and re-exhibited in the gallery. The plaster pedestals for 5 mineral specimens were renewed. The wooden trays in which specimens of meerschaum clay and garnet pieces were exhibited were glass bound after providing a decent background for each. The photograph of *Triceratops* was bound with

a bigger glass pane. Four plant fossil charts, one photograph of the woolly mammoth and one of an iron factory were re-bound with black calico cloth. This was done in order to effect uniformity and to improve the display.

Labelling and preservation.—Bilingual labels were provided for the specimens of building stones exhibited in the newly made wall show-cases. The tri-lingual label for Potteries was changed into a bilingual one. The index labels for Stratigraphy were replaced by new ones for fossils and tamil equivalents were provided for each. The bilingual labels for Hornblende Rock and Pencil Manufacture were re-painted. The tamil label for serpentinous stones was properly translated and re-painted. Its English label was also re-painted. The index for the model of the earth was renewed. Two hundred and twenty-five old and faded labels in the Economic Geology galleries were renewed. Tamil equivalents were provided for some of them. Twenty-eight old labels for the Economic Geology specimens in the reserve collections were renewed. The small rock salt specimens belonging to Minerals and Fertilizers and the cubical rock salt specimen in the gallery were preserved and re-exhibited. The specimen of saltpetre in the reserve collections was also preserved. Index cards were prepared for 441 rock specimens, 239 fossil specimens, 114 Economic Geology specimens and 80 mineral specimens.

Research.—Eight mineral specimens, four fossil specimens and one rock specimen in the reserve collections were identified and labelled.

Some of the haphazardly kept rocks in the reserve collections were classified and arranged in an orderly manner.

Some of the Economic Geology specimens in the reserve collections were similarly arranged.

The rock type of a sculpture sent by the Curator, Archaeology Section, was identified and the same was returned to him.

Specimens brought by Sri T. R. N. Kumaraswamy from Madurai were identified.

Plans were being drawn up for modernising the left and right wings in the Geology Hall.

Publications.—The following books were added to the Sectional Library :—

1. Optical Mineralogy.—By Paul F. Kerr.
2. Descriptive Petrography of Igneous Rocks by Albert Johannsen, Vols. III and IV.
3. Computers in the mineral industries, Parts I and II.
4. The Hand-book of the Madras Government Museum, 1964.

Educational work—Special exhibitions.—Two special exhibitions, one on Natural Abrasives and the other on Manganese ores were arranged by this Section during the year.

Lectures.—A demonstration lecture in the gallery was delivered by the Curator to a group of high school teachers from Madras city.

Facilities to research workers and others—

1. Information on the occurrence of fossil wood in South India was furnished to Dr. H. V. Tilak of No. 1, Babulnath Road, Bombay-7.
2. Information on black fossil ammonite was furnished to Sri R. Gopalakrishnan.
3. Specimens brought by Sri T. R. N. Kumaraswamy from Madurai were identified. Information on diamonds was also furnished to him.
4. Information on certain geological aspects was furnished to Sri C. R. Subramaniam, Assistant Engineer, Archaeological Survey of India, Madras.
5. Information on emery was furnished to Sri Xavier George.

6. Training was given to two diploma course students from the Department of Museology, University of Baroda, Sayaji Park, Baroda, to Sri V. N. Tiwari, Librarian of the M.G.M. Museum, Raipur and to three lady students of Fine Arts from Stella Maris College, Madras.

Photographs added.—Photographs of artificial fulgurites and a cluster of siderite crystals were added to the album maintained in the section.

Plans for the year 1965-66.—The modernised built-in-show-cases in the Central portion of the Geology Hall will be completed and it is proposed to display the Economic Geology exhibits in them. Efforts will be made to panel up the bottom portion of the new wall show-cases in which building stones are exhibited to improve the appearance. A specimen of leptynite will be collected and exhibited in the gallery. It is proposed to have curtains for all the windows in the Geology Gallery in order to avoid the glare and the reflections on the glass panes in the modernised show-cases in the central portion of the hall. Cores containing coal and ores of lead, zinc and copper are expected to be exhibited in the mezzanine floor in the Geology Gallery. Efforts will be made to import ultra-violet bulbs for re-working the fluorescent unit.

ANTHROPOLOGY SECTION.

Additions to the collections.—1. The following Ethnographic material was added to the collections—

(a) A male bust model of Saora, was purchased from Sri B. Murugesan for Rs. 200.

2. The following prehistoric materials were added to the collection:—

(a) Four burial urns from Adichanallur, were got back from the Indian Museum, Calcutta.

3. The following arms were added to the collections:—

(a) One unexploded shell and bits of metal (exploded) shell and sharpnell of ex S.S. Emden were got as gift from Mrs. W. H. Lockley, London.

(b) One steel ring with soolayutham, one spear, one sword and a bitchuva were got as confiscated properties from Sri Sirian Singh, for illegal possession of dangerous arms under the direction of Salem Railway Police.

(c) One iron sword of East India Company was received as a gift from Sri N. Devasahayam, Assistant Curator, Anthropology Section.

4 The following treasure trove article was added to the collection:—

(a) One gold tali from Sathiyamangalam village, Kulitalai taluk, Tiruchirappalli district.

Work in the galleries.—The Ethnology Gallery II and the Kathakali gallery were modernised by built in wall cases and concealed internal fluorescent lights with fully panelled front. The door ways behind the new Ethnology and the Physical Anthropology galleries were covered with plywood sheets. A screen was erected behind the Meriah Sacrifice post to improve the display and to avoid light coming in, and causing glare from the Prehistory gallery. Charts depicting the physical characters of human races, i.e., eye, skin, lip and hair were displayed in a vertical case in the Physical Anthropology gallery. The Meriah Sacrifice Post base was repainted with a pleasing colour scheme and provided with a prominent wooden label.

The Prehistoric and the Adichanallur galleries were rearranged on modern lines. Some vertical cases in the Prehistory gallery were lined with plywood sheets. The burial urns cases were freshly repainted and pedestals and panelled bases were varnished. The lime stains on the burial urns were removed with the aid of acetic acid. Study collections of the Prehistoric potteries of Adichanallur and Perumbarr were stored up neatly in the Prehistoric reserve collection room. One vertical case was put up to exhibit foreign and Indian stone tools in the Prehistory gallery. A descriptive bilingual label for the potteries was put up in the Prehistory gallery.

Two chain shot pedestals which were eaten by white ants were completely renovated and freshly painted.

Some sloping cases in the Musical Instruments gallery were distempered in order to remove strains. All the insect damaged labels were replaced by new ones. Cases were dusted periodically and kept clean.

Preservation of reserve collection.—Two bamboo vessels of Kadar, a shoe of Madigas, two Japanese swords, one sword of the East India Company, a dozen long human bones a hand axe and five musical instruments were chemically treated and preserved.

Research.—The work on Kodikkaran was continued, but no field work was done during this year.

Training and lectures.—The Curator was deputed to Kalbangan, Rajasthan State for a period of three months for training in methods of archaeological excavation. The students of the School of Archaeology, New Delhi; Department of Fine Arts, Stella Maris College, Madras; Department of Anthropology, Deccan College, Poona; Department of Anthropology, Utkal University, Orissa; Department of Museology, M. S. University Baroda and Sri V. N. Tiwari, Raipur Museum, Madhya Pradesh were given training in Anthropology.

The Curator delivered twelve lectures to the students of the Diploma course in Anthropology, Madras University and one lecture to the students of M.A. degree course in Ancient History and Archaeology during the course of this year.

Facilities to research workers.—The following scholars were rendered facilities mentioned against their names :—

Serial number and name. (1)	Address. (2)	Subject. (3)
1 Mr. Bradley Blake ..	University of Wisconsin, U.S.A. ..	Coastal fishermen.
2 Dr. Ludmila Shaposhnikova.	University of Madras, Madras ..	Nilgiris collection and megaliths in general.
3 Sri H. N. Singh	Senior Technical Assistant, Archaeological Survey of India, Atlas Branch, Nagpur.	Plotting some important finds for Archaeological Atlas work.
4 Mr. Peter Gardner ..	University of Pennsylvania, U.S.A.	Paniyana.
5 Sri K. C. Malhotra ..	Deccan College, Post-Graduate Institute, Poona.	Adichanallur skulls.
6 Sri Mrinal sen	Film's Division, Calcutta	South Indian Ethnology and Prehistory (Cine filming).
7 Sri B. K. Thapar	Superintendent, Excavation Branch, Archaeological Survey of India, Nagpur.	Pointed butt and rounded butt neolithic celt.
8 Dr. T. Jayavelu	Institute of Anatomy, Stanley Medical College, Madras.	Ring wells.
9 Mr. David T. Sandford ..	Department of Art History, University of Hawaii, U.S.A.	South Indian Village Gods.
10 Dr. Morton Klass	Columbia University, New York, U.S.A.	South Indian Tribes.
11 Dr. F. Seltmann [.. ..	Stuttgart, West Germany	Leather shadow play figures.
12 Prof. Jacques Millow ..	Director, Musée De L' Homme, Paris.	South Indian Industries.
13 Mr. Clarence Maloney ..	American Institute of Indian Studies, Poona, stationed at Madurai.	South Indian Prehistory.
14 Miss Yvonne J. Hannemann.	Columbia University, New York, U.S.A.	Village Gods.
15 Dr. Alistair Lamb	Australian National University, Canberra, Australia.	Arikamedu beads and Nilgiris collection.
16 Mr. Ian Glover	Department of Anthropology, Sydney University, Australia.	Foot collection.
17 Drs. Van Lamsweerde ..	Holland	Tribal musical instruments.
18 Mrs. Vimal Wazalwar ..	President, National Council of Women, Jamshedpur.	Tribal hut models.
19 Dr. S. I. Tulaev	Department of Eastern Art, Institute of History of Arts, Moscow.	Adichanallur bronzes.

Publications.—The English guide books to the Anthropological galleries, by Sri C. J. Jayadev was released for sale. The typescript of Sri M. D. Raghavan's paper "Glaciations and Pre-historic ages" was sent to press for publication as a Bulletin of this Museum.

Photographs added.—Forty-one quarter size and forty-five half size negative plates were prepared during this year. Eighty-six photographs were added to the sectional album.

Special exhibitions.—During the year, two special exhibitions were arranged, one being of tribal photographs of Nagaland and NEFA and the other of "Indian Stone Age finds" to commemorate the completion of hundred years of the first palaeolith found by Robert Bruce Foote.

Plans for the year 1965-66.—(1) Organizing a leather shadow play figures gallery.

(2) Provision for regular storage rooms for the Ethnographic collection with doors underneath the staircases, in the front building.

(3) Mounting, framing and exhibiting some of the Assam, NEFA tribal photographs in the Ethnology galleries.

(4) Drawing up plans for modernised show cases for the two Anthropological galleries and the musical instruments gallery.

(5) Completion of the physical Anthropology gallery with exhibits.

(6) A single glass pane for the Introductory case in the pre-history gallery.

(7) Changing of the black background of show cases in the Arm's gallery.

(8) Printing of Sri M. D. Raghavan's paper on the glaciations and pre-historic ages.

(9) Continuing the research work of Adivasis.

(10) Finalising the papers of Tali rite and Mudugas of Attapadi valley by C. J. Jayadev for publication.

(11) Continuing the preparation of the descriptive catalogue of Arm's gallery.

NUMISMATICS SECTION.

Additions to the collections.—The following were added during the year :—

(a) **Treasure trove.**—Fifty Indo-British gold Single Swami Pagodas from Perambalur taluk, Tiruchirappalli district.

(b) **Purchase.**—(i) Nineteen rectangular and 243 round Pandyan copper coins from Sri. A. Raghavan, Palayamkottai.

(ii) One gold coin of Carol III of Spain and one gold Venetian sequin of Duke Paolo Renier from Shri P. E. Krishnan, Kozhikode.

(iii) Twenty-one thousand six hundred and ninety-six old postage stamps of all countries of the world, from Father C. M. Hilary, Rajavoor, Kanyakumari district.

(c) **Gift.**—One Bronze Medal of the Diocese of Dornakal by Shri N. Sundar, Tambaram.

Work in the section.—The coins acquired as treasure trove, or by purchase or as gift were examined, identified and accessioned.

Research.—The work on the study of late South Indian copper coins was continued during the year.

Lectures.—The Curator delivered a lecture on Indian Numismatics to the students of the M.A. Archaeology class of the University of Madras and to the teachers of secondary schools in the City.

Facilities to research workers.—Prof. Azmatullah Khan of the Presidency College, Madras, was given facilities to examine and study the Khalifate coins in the Museum cabinet

Mr. Mukunda Prabhu of Mangalore was helped to identify a few Pandyan coins.

Publications.—Prof. T. Balakrishnan Nayar's bulletin on the Dowlaishwaram hoard of Chola and Eastern Chalukyan coins is the final stages of printing.

Photographs added.—Two half size and two quarter size photographic negatives were added.

Tours.—The Curator went on tour to Thanjavur to examine and study a collection of coins in the Tanjore Art Gallery, to Puthukkadai to examine the Children's Museum of Fr. Hilary, to Rajavoor, Kanyakumari district to bring the collection of stamps purchased from Father Hilary and to Gaubati, Assam, to participate in the 53rd Annual Meeting of the Numismatic Society of India.

Plans for the year 1965-66.—The 43,392 old postage stamps purchased from Fr. Hilary will be displayed in the newly constructed gallery and a set of metal casts of coins of India will also be displayed.

Publications.—The following publications are expected to be completed:—

(1) Catalogue of Kaliphate coins by Prof. Azmathullah Khan.

(2) Catalogue of late South Indian copper coins by Sri P. N. Mohandas and Sri P. R. Srinivasan.

ARCHAEOLOGY SECTION.

Additions to the collections.—The following objects were acquired during the year under report:—

- (1) Vishnu from Edamanal, Thanjavur district (bronze).
- (2) Krishna from Edamanal, Thanjavur district (bronze).
- (3) Rukmini from Edamanal, Thanjavur district (bronze).
- (4) Satyabhama from Edamanal, Thanjavur district (bronze).
- (5) Pieces of copper plate from Edamanal, Thanjavur district.
- (6) Vishnu (big), Melapasalai, Ramanathapuram district (bronze).
- (7) Vishnu (small), Melapasalai, Ramanathapuram district (bronze).
- (8) Sridevi, Melapasalai, Ramanathapuram district (bronze).
- (9) Bhudevi, Melapasalai, Ramanathapuram district (bronze).
- (10) Kaliyakraishna, Melapasalai, Ramanathapuram district (bronze).
- (11) Piram, Melapasalai, Ramanathapuram district (bronze).
- (12) Three copper plates, gift by Sri K. R. Venkatarama Iyer.
- (13) Portrait of Nehru in sand and gum, present by Fr. Hilary.
- (14) Portrait of the late Prime Minister Pandit Nehru.
- (15) Portrait of Dr. S. Radhakrishnan, President of the Republic of India.
- (16) Eighteen items, including bronze idols and miscellaneous articles received from Olayakunnam, Pattukkottai taluk, Thanjavur district.

Work in the galleries.—A new gallery of Buddhist Antiquities was organized and thrown open to the public by the Chief Minister of Madras on 2nd November 1964. Antiquities from Amaravati, Sankaram, Peddamudiyam and reduced scale models of excavated site from Nagarjunakonda have been displayed in this gallery for the first time.

Immovable triangular wooden reapers were provided for the labels in the Jain Sculpture Gallery. The two sculptures hitherto lying on the floor in the mezzanine floor of New Extension Gallery were provided with two pedestals. The lacquer works case, sandalwood carvings case and ivory carvings case were repainted and the exhibits were rearranged in a more attractive manner. The glass windows in the Bronze Gallery were provided with suitable curtains to prevent direct sunlight and glare from entering the gallery. A neat, painted wooden partition was erected across the Centenary Exhibition Hall in the centre separating the main hall from the new Buddhist Antiquities Gallery.

Labelling.—The faded aluminium labels in New Extension Gallery and Hindu Sculpture Gallery were replaced by new framed labels. The system of giving dates for the bronzes, in the labels was commenced and is nearing completion.

Card indexing of the specimens in New Extension Gallery, the second Sculpture Gallery and Jain Gallery has been completed.

Special exhibition.—A special exhibition was organized from 2nd to 15th November 1964 in connection with International Campaign for Historical Monuments. The exhibition included representative collections in bronze, stone sculptures, copper plates, wood-carvings and paintings.

One metal image and thirteen copper plates were loaned to Vyasa Bhakta Kaladi Sadae Samajam, Kanchipuram, for an exhibition.

Research.—The Curator continued his research on "Copper plates in the Madras Museum". The catalogue on "Wood carvings" is being continued. The bulletin on "Jain Sculptures in the Madras Museum" by Sri P. R. Srinivasan is in the manuscript stage and is expected to be received from the author shortly. The Curator gave a talk in the All-India Radio on "Copper plates" in Tamil. An article on "Amaravati Sculptures in the Madras Museum" has been sent to a cultural magazine for publication. Another article by the Curator entitled "Heritage in clay" was published in the "Hindu" in January 1965.

Publications.—The bulletin "Nolamba Sculptures in the Madras Museum" was released for sale. The following are in the press in various stages:—

- (1) Indian Epigraphy and South Indian scripts (reprint).
- (2) Nagapattinam and other Buddhist Bronzes (reprint).

Lectures and Educational activities.—(1) The Curator delivered a lecture to the students of M.A. degree course in Archaeology of the University of Madras on Museum technique in Archaeology.

(2) Two students of the Museology Department of the Baroda University underwent training in the Archaeology section.

(3) Sri Tewari, M.G.M. Museum, Raipur, underwent training in Archaeology section.

(4) Besides the students of the Diploma course in Archaeology of the Archaeological Survey of India, New Delhi, a group of under-graduates from the city and mofussil colleges were taken round the archaeological galleries on a special guided tour.

Facilities to Research Scholars.—Facilities were rendered to the following research workers and scholars in connection with their studies in the subjects noted against each:—

- | | |
|---|-------------------------------------|
| (1) Sri P. R. Srinivasan, Superintendent for Epigraphy, Ootacamund. | Jain sculptures. |
| (2) Sri K. V. Raman, Archaeological Survey of India, Madras-9. | Terracottas. |
| (3) Sri B. S. Gupta, Head of the Department of History and Culture, Marathwada University. | South Indian Bronzes. |
| (4) James Hilter Martin, Research Fellow, Deccan College, Poona. | Epigraphy. |
| (5) Dr. G. Richard Welbon, Research Fellow, Deccan College, Poona-6. | Do. |
| (6) Sri De Lamothe, Army Officer, Madras-9 | Ancient ports. |
| (7) Sri Ford David, Research Scholar, Australia .. | Hindu stone sculptures. |
| (8) Miss R. Champakalakshmi, Lecturer in Ancient History and Archaeology, University of Madras. | South Indian paintings. |
| (9) Sri U. Bokey, Conservator of Archaeology, Burma. | Amaravati and Nagapattinam bronzes. |
| (10) Sri Chiakin Sen, Chief Editor, Pali Dictionary, Denmark. | Epigraphy. |
| (11) Sri T. N. Subrahmanyam, Epigraphist, Madras-24. | Early Pallava charters. |

Tours.—The Curator undertook tours to the following places for the study and research :—

- (1) Sirukarumbur (North Arcot district).
- (2) Kaveripakkam (North Arcot district).
- (3) Gudalur (Madurai district).
- (4) Narttamalai (Tiruchirappalli district).
- (5) Sittannavasal (Tiruchirappalli district).
- (6) Pudukkottai (Tiruchirappalli district).

He went on tour to Calcutta to take delivery of the exhibits loaned to Japan from Indian Museum.

Plans for the year 1965-66.—(1) Mounting, labelling and painting of the photographs in new Buddhist Gallery.

- (2) Fixing of unmovable triangular reapers in the Amaravathi Gallery for the proper installation of the framed labels of the sculptures.
- (3) Exhibiting fresh photographs in the partition panel next to stupa slab.
- (4) Faded aluminum labels will be replaced by framed labels.
- (5) Completing the labelling with dates in Bronze Gallery.
- (6) Providing picture frames and labelling in Picture Gallery.
- (7) Setting up modernised show cases for the Wood Carvings gallery.
- (8) Providing cut-out labels for the modernised show cases in the Metalware Gallery.
- (9) Introducing reference cards in the Metalware Gallery.

Publications.—Reprinting of the following will be completed :—

- (1) Indian Epigraphy and South Indian scripts.
- (2) Nagapattinam and other Buddhist Bronzes.

The following will be got ready for publication :—

- (1) The Jain sculptures in Madras Museum.
- (2) Catalogue of copper plate grants in Madras Museum.
- (3) Catalogue of Stone Inscriptions in Madras Museum.

NATIONAL ART GALLERY.

The acquisitions of paintings made in the year under review are the following :—

- (1) Vigil by late Sri A. K. Haldar.
- (2) Head, by Sri T. Viswanathan.
- (3) Landscape, by Sri S. G. Vasudev.
- (4) Standing old man, by Sri K. M. Adimulam.
- (5) The Church, by Sri C. K. Adiyodi.
- (6) Mourners, by Sri Alphonso.
- (7) Summer, by Sri Laxman Pai.

Work in the galleries.—The Mughal paintings and Rajasthan paintings were mounted and neatly exhibited. The paintings presented by Sri V. T. Krishnamachari were displayed in two large modernised cases constructed newly for the purpose. The labels in the rear room and the central hall were renewed. The background cloth for the bronzes in the National Art Gallery was bleached to give a good appearance. One large specimen of a printed textile in the front room was renovated and re-exhibited. Card indexing of all the exhibits in the gallery was completed.

Plans for the year 1965-66—

1. Maintaining a separate photo album containing photos of the exhibits in National Art Gallery.
2. Providing fresh curtains for the windows in the Central Hall.
3. Providing fluorescent lighting for rooms I and II.

Publications.—The printing of the guide to the National Art Gallery, will be completed.

CHEMICAL CONSERVATION SECTION.

Four bronze images were electrolytically restored and were given subsequently a protection coating. One big Nataraja image was chemically treated and restored. One small bronze image was also chemically restored and preserved. Six bronze images are under treatment. One ivory image was cleaned and its artistic details were revealed.

Two of the limestone sculptures in the Amaravathi gallery were given chemical treatment and were preserved with a protective coating. Three other sculptures are under treatment. A silver bangle which was covered with corrosion crusts was cleaned to reveal its ornamental details. Fourteen pottery pieces, 9 musical instruments, two Malabar sorcery figures and two bamboo vessels were chemically conserved.

Four swords were chemically restored and subsequently preserved with a protective coating. A stone axe and twelve long bones were chemically preserved.

An X-ray apparatus supplied by Messrs. Phillips (India) Limited was installed in the Laboratory and experimental radiographs or paintings were taken for study. One Spectrophotometer equipment supplied by Messrs. Gordhandas Desai Limited was also installed in the Laboratory. Ultra violet and Infra-red lamps have also been acquired. A recording Thermohygrograph was acquired and temperature and humidity readings in the laboratory rooms, in the Ethnology gallery (inside and outside the show cases) and in the Bill Gallery have been taken for study purposes. This is being continued.

An order for microfilming 13,000 pages was received from an American Research Scholar and the work was taken up and continued.

Facilities for training in Chemical Conservation were provided for Mr. Tiwari from the Museum at Raipur during October 1964. Lectures on chemical conservation were given to students of Archaeology in the University of Madras and students of Anthropology from the Utkal University.

The Curator of the section gave two lectures on "The Problems in the conservation of Indian sculptures" during February 1964, as visiting lecturer in the Department of Museology of the University of Baroda.

A Hungarian visitor, Miss Edith Toth, Curator of the Art Museum at Budapest visited the laboratory on 31st March 1965.

CHILDREN'S SECTION.

Additions to the collections.—The following were added to the collection in the Children's section—

1. Six dolls dressed in the regional costumes of West Germany which were presented to the Museum by the children of Marienschule, Saarbruchen, West Germany.
2. Two dolls in the traditional costume of the district of Marburg in Hessen, West Germany, presented by the Soroptimist clubs of Frankfurt.
3. Fifteen small costume dolls of India for the doll's house exhibited in the gallery.

4. Furniture for the dolls house—20 Nos.
5. Two Japanese costume dolls (1) A Japanese Flower girl and (2) A Japanese girl with a parasol.
6. Eight Indian costume dolls.

Work in the gallery.—The doll's house in the section was renovated, furnished and exhibited in the gallery. In addition to the routine work of cleaning the cases and exhibits in the gallery, 20 old discoloured explanatory labels were replaced with new printed ones. The background of the Early Man case was repainted and new labels were provided.

Publication and educational work.—The Guide to the Children's Gallery by the Assistant Curator in charge of the Children's section is in its final stages of publication.

A special exhibition of the German costume dolls which were got with the help of the Director, Max Muller Bhavan, was arranged during the month of August. Special guided tours of the children's gallery were arranged for school parties.

Special training in the preparation and display of exhibits for school children was given to the following persons :—

1. Sri Tiwari from the Raipur Museum.
2. Three students of M.A. Fine Arts from Stella Mary's College.
3. Two students of Museology from Baroda.
4. Mrs. Kumaresan from the Corporation High School, Vepery, Madras.
5. Twenty Balasevika trainees from the Indian Council of Child Welfare.

Plans for the year 1965-66—Gallery.—(1) Changing the lighting in all the show cases to fluorescent tubes.

- (2) Renovation of some of dioramas.
- (3) Exhibition of German or Japanese dolls in the place of the Yugoslav dolls.
- (4) Special guided lectures for school parties.
- (5) Acquisition of specimens of child art and exhibiting them.
- (6) Quiz Board to be got ready and installed in the gallery.

Publication.—Guide to the Children's Gallery will be brought out.

GOVERNMENT MUSEUM, PUDUKKOTTAI.

General working hours.—The Government Museum, Pudukkottai, works on all days except Sundays and declared Government holidays. The working hours of the Museum galleries are from 8 a.m. to 11-30 a.m. and 2 p.m. to 5 p.m.

In the official year 1964-65 this institution has worked for 285 days.

Visitors.—The total number of visitors during the year 1964-65 was 140,430 with a daily average of 493, which includes both males and females, literates and illiterates (Appendix A).

Distinguished visitors.—Most of the distinguished visitors who happen to pass through Pudukkottai, never fail to visit the Museum and were pleased to pass appreciative remarks in the visitor's book (Appendix B).

Administration.—The Curator was in charge of the Museum, assisted by a Technical Assistant, a Junior Taxidermist, two lower division clerks. Besides this, the Museum galleries are guarded by nine guards and two watchmen with one gardener.

The Director of Museums, Madras, who is the controlling authority, inspected this museum from 5th August to 13th August 1964 and made valuable suggestions for the improvements of the galleries on modern lines, which were carried out as and when funds permitted.

The inspection of the office of the Government Museum by the office Superintendent of the Government Museum, Madras, lasted for three days from 15th October 1964 to 17th June 1965. All his valuable suggestions and instructions were properly carried out immediately.

The annual budget of this museum in 1964-65 was Rs. 27,596 (Appendix C).

Galleries.—There was a regular and proper rearrangement of the existing show cases in all the galleries according to the available space whenever any new specimen came for display. The display and improvement of the galleries engaged the prime attention of the staff. All the show cases were kept clean and tidy and some of them were rendered insect proof. The old and colour faded labels were renewed by new ones.

Improvements in the galleries—Geology.—This gallery was furnished with a slopping case on one side to balance the existing one on other side for the minerals and rocks.

Three frames containing geological maps of India so far fixed in the Central show case vertical panel were removed and fixed on the wall. The vertical panels were fixed with glass panes to exhibit photographs of geological interest.

Zoological reserve collections.—A number of rolled bird skins and other Zoological glass-doored modernised show cases by the Pudukkottai Co-operative Timber Works Society Limited. Due to the conversion of these almirah-type cases into modernised show cases the whole birds gallery was rearranged, to enable the exhibits to be seen in proper sequence by the visitors. This has considerably improved the display arrangements in the gallery.

Fishes.—The empty wooden frames above the sloping case containing the specimens of eels, etc., were suitably utilised for exhibiting a selected series of enlarged photographs of interesting species of South Indian Fishes received from the Madras Museum.

Zoological reserve collections.—A number of rolled bird skins and other Zoological specimens kept in the cupboards in the Taxidermist's room as reserve collections were identified and entered in a separate register.

Mammals.—Six bureau-type, multi-glass doored show cases were converted into single-glass doored show cases. This conversion resulted in more space which was followed by a rearrangement of the Mammals Gallery. This rearrangement considerably improved the display and afforded ample space to move about for the visiting public.

Anthropology.—Twelve fresh photographs of South Indian Tribes received from the Madras Museum have been mounted and exhibited in this gallery.

Bronze.—The Bronze section has been completely rearranged. The overcrowding bronzes have been removed to the reserve collection, and the remaining were rearranged according to their iconographic sequence. The entire bronze gallery register has been rewritten according to the present arrangement.

Library.—About 17 books were added to the library making up the total volumes to 1,186. It embraces all the sections pertaining to a general museum. It contained to serve the curator and his staff and the interested public with the same usefulness and importance as before (list of books added is furnished in Appendix D).

Equipments including furniture and fittings.—The work of gradually remodelling the old and out-of-date bureau type show cases was further pushed through. Two bureau type multi-glass-doored show cases in Birds Gallery were provided with four single-glass-paneled

doors and six show cases of similar pattern in the Mammals gallery were also provided with single-glass-paned doors. This enabled the visitor to view the exhibits without any hindrance by wooden beadings.

The 12-bore double barrel breach gun and a 12-bore single barrel muzzle loading guns are being maintained in good condition and put into use for enriching the collections of zoological specimens. Besides these, an "Air Rifle gun" (.177, B.S.A. Trade mark, England make) was purchased from Messrs. P. Orr and Sons for collections of smaller birds.

Accessories for shooting, such as leather cartridge belt, cartridge leather case and a torch light were also purchased. At present, to meet the requirements of a refrigerator for preserving the shot birds until skinning, a vacuum flask was purchased to store ice for the minimum period of 24 hours.

Two Kardex cabinets were purchased from Messrs. Remington Rand of India Limited, Madras, for the library section of this museum.

Tours.—In the month of September shooting tours were undertaken to Sittannavasal and Tiruvarankulam with the Director of Museums, Madras. In the month of November, a tour to Varanasi was officially undertaken by the Curator, Government Museum, Pudukkottai, as a representative of the Madras State to attend the *Museum Camp on Paintings*, conducted by the Central Ministry of Education and Cultural affairs.

Extra-mural activities and assistance to the educational institutions.—The assistance to organise museums in schools and in and around Pudukkottai was afforded as usual. About 56 schools were the beneficiaries thereof (Appendix E).

In the month of August at the request of the Collector, the Curator accompanied Srimathi Lakshmi N. Menon, Minister of State in the Ministry of External Affairs, New Delhi, to Sittannavasal.

In the month of November 1964, the Curator inaugurated the History Association of the Training College, Pudukkottai and spoke on the "Monuments of South India with special reference to Pudukkottai".

In the month of December 1964, the Curator, participated in the celebrations of the Family Planning, sponsored by the Government and delivered two lectures on the importance of Family Planning in India at Tiruvappur, a suburb of Pudukkottai, and at the Townhall, Pudukkottai.

The Treasure Trove articles (eight in number) sent in the month of April 1965 by the District Revenue Officer, Tiruchirappalli, were examined, identified and valued.

Research and publications.—Some ornaments in the Epigraphy gallery, so far not identified were identified and labelled.

Stores and chemicals.—All essential articles for stores have been purchased and issued. All the chemicals required for the taxidermy work have been purchased from Messrs. Scientific Chemical Industries, Madras and stocked for use. Besides, the required quantity of glass jars for wet preservation was purchased and utilised for the purpose.

Buildings.—A list of urgent structural alterations and repairs needed for the safety and strength of the present museum building was sent to the Public Works Department, Tiruchirappalli, in 1963 and the estimates are still awaited.

1. The urgent items are—

- (1) Providing iron bars for the windows in the Curator's office room.
- (2) Protecting the verandahs containing the exhibits of wood carvings and the whale skeletons with weld mesh, and
- (3) Converting the present tiffin shed into a regular room for accommodation the museum office.

The colour-washing of the walls in most of the galleries has peeled away and flaked off badly. The Public Works Department has been requested to take up the work of colour-washing the entire interior of the galleries immediately.

Garden.—This has been considerably improved and made attractive. The plants and flower beds are being maintained in good condition.

Plans for the year 1965-66—Geology.—Adding 30 more photographs of geological interest in the still remaining three empty frames of the slopping cases.

Zoology insects.—Removing completely the old, colour faded, cracked and bulged paraffin coated cork sheets and replacing by fresh ones covered with ivory board.

Birds.—Converting the old type bureau show-cases into single glass paned show-cases. Fixing more tube lights for better lighting and display.

It is proposed to provide brief descriptive labels in English and Tamil for some of the large and more outstanding specimens of birds, such as the Hornbill, the Demoiselle crane, Flamingo, short-toed Eagle, Peafowl, etc.

Invertebrates, dry specimens of Molluscs.—Mounting only two or three specimens of shells on glass plates, the remaining duplicate specimens being removed to the reserve collection.

Wet specimens of Molluscs.—In the present multi-glassed double-doored glass bureau, the specimens are not properly visible. Therefore the show-cases has to be remodelled with a single glass pane in the front and panelled base at the bottom.

Economic Botany.—Converting the present herbarium cases into a semi-vertical, modern show-case with panelled bases.

Archaeology.—The background green distemper on the plaster-casts models, which is peeling off will be scraped thoroughly and re-distempered with pale green.

General.—As Pudukkottai is noted for its high temperature in the hot season between February and September it is proposed to install a water-cooler for the convenience of the visiting public and school students.

S. T. SATYAMURTI,
Director of Museums,
Government Museum, Madras.

Connemara Public Library (Exchanges).

The number of institutions sending their journals in exchange for the *Museum Bulletin* was 179 and the number of publications received from them was 428.

S. T. SATYAMURTI,
Director of Museums,
Government Museum, Madras
and
Associate Librarian,
Connemara Public Library, Madras.

APPENDIX I.

Complete list for the year 1964-65 of treasure trove coins in the Madras State.

(A) Acquired by the Museum.

Treasure trove number.	Accession number.	Particulars.	Metal.	Number found.	Number recovered.	Number acquired.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
786	933	Indo-British three Swami Pagoda.	Gold	50 plus 5 gold rings.	50 plus 5 gold rings.	50 gold coins.

(B) Not Acquired.

778	..	Gold coins	Gold ..	53	53	..
		Gold rings	Do. ..	2	2	..
		Broken silver	Do. ..	4	4	..
781	..	Half Rupee	Silver ..	9	9	..
		Ear rings	Do. ..	2	2	..
782	..	Gold coins	Gold ..	15	15	..
783	..	Coins	Copper ..	662	662	..

APPENDIX II.

ANTHROPOLOGY.

(A) Acquired by the Museum.

Treasure trove number.	Accession number.	Description.	Village.
(1)	(2)	(3)	(4)
779	83	Tali—1	Sathiyamangalam village, Kulubhalai taluk, Tiruchirappalli district.

(B) Not acquired.

Serial number.	Treasure trove number.	Description.	Village.
(1)	(2)	(3)	(4)
1.	776	1. Three gold rings 2. One Mugappu 3. Three pieces of gold (Thagadu)	Karur, Tiruchirappalli district.
2.	777	1. Ten gold coins 2. One nose ring 3. One gold plate 4. One silver chain 5. One silver ring 6. One Taliমান 7. Eight silver bits broken	
3.	778	1. Gold coins—53 2. Gold rings—2 3. Broken silver karai—4	
4.	780	1. Gold ear rings—4 2. Gold karai (half portion)—1 3. Pattan (half portion)—1 4. Mugappu—1 5. Gold oddiyanam—1 6. Gold Minji—2 7. Murugu pieces—2 8. Small gold thagadu—1	Panaikulam village, Dharmapuri taluk, Salem district and Bommidi village, Salem district.
5.	781	1. Gold coins half a rupee—1 2. Ear rings—2	
6.	785	1. Gold and silver articles	Kodukkankuppam village, Gingee, South Arcot district.
7.	788	1. Gold pieces	Malayadipudur, Gobichettipalayam, Coimbatore district.

APPENDIX II—cont.

ARCHAEOLOGY.

(A) Acquired.

Accession number.	Treasure trove number.	Particulars.	Locality.
(1)	(2)	(3)	(4)
484	775	Vishnu	Edammanal, Sirkali Taluk Thanjavur district.
485	"	Krishna	Do.
486	"	Rukmini	Do.
487	"	Satyabhama	Do.
488	"	Broken pieces of plate ..	Do.
489	784	Vishnu (standing)	Melappasali, Manamadurai taluk, Ramanathapuram district.
490	"	Vishnu (seated)	Do.
491	"	Sri Devi (standing)	Do.
492	"	Bhudevi	Do.
493	"	Kaliyakrishna	Do.
494	"	Pitam	Do.
495	789	Rama	Olayakunnam, Pattukkottai taluk, Thanjavur district.
496	"	Krishna	Do.
497	"	Krishna (dancing)	Do.
498	"	Saint (standing)	Do.
499	"	Devi (standing)	Do.
500	"	Vishnu (standing) small ..	Do.
501	"	Sri Devi (standing)	Do.
502	"	Bhudevi (standing)	Do.
503	"	Vishnu with consorts	Do.
504	"	Maheswari (seated)	Do.
505	"	Bell	Do.
506	"	Deepakkal	Do.
507	"	Doopakkal	Do.
508	"	Tripod (big)	Do.
509	"	Tripod (small)	Do.
510	"	Tiruchinnam	Do.
511	"	283 coins (small)	Do.
512	"	41 coins (big)	Do.

(B) Not acquired.

..	790	Vishnu with consorts—Returned to the temple.	Mangadu, Wallajah, taluk North Arcot district.
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APPENDIX III.

Other notable additions to the collections during the year 1964-65.

ZOOLOGY.

Serial number.	Accession number.	Particulars.
(1)	(2)	(3)
1.	9/1964	A study skin of Cheetah or the Hunting Leopard (<i>Acinonyx jubatus</i>).
2.	10/1964	The Darter or Snake Bird (<i>Anhinga melanogaster</i>).
3.	14/1964 15/1964 }	A pair of Black Partridges (<i>Francolinus francolinus</i>).
4.	32/1964	The Chukar partridge (<i>Alectoris gracea chukar</i>).
5.	34/1964	The African Crowned Crane (<i>Balearica pavonina</i>).

APPENDIX III.

Other notable additions to the collections during the year 1964-65—cont.

CENOLOGY.

<i>Serial number.</i>	<i>Accession number.</i>	<i>Particulars.</i>
(1)	(2)	(3)
1	23/1964	Amethyst.
2	24/1964	Green apophyllite.
3	30/1964	Banded agate with amethyst crystals.
4	31/1964	Coking coal.
5	32/1964	Non-coking coal.
6	33/1964	Weakly-coking coal.
7	35/1964	Metallurgical coke.
8	36/1964	Cores containing coal.
9	37/1964	Cores containing ores of lead, zinc and copper.
10	38/1964	Ball clay.

ANTHROPOLOGY.

<i>Serial number.</i>	<i>Accession number.</i>	<i>Articles.</i>	<i>Particulars.</i>
(1)	(2)	(3)	(4)
1	83	.. .. .	Got as treasure trove item.
2	1/1964 to 4/1964	.. .. .	Got from Department of Archaeology, Calcutta.
3	2400, 2411	.. .. .	Got as gift.
4	2412 to 2415	.. .. .	Got from Salem.
5	2416	.. .. .	Got as gift.
6	1/1964	.. .. .	Purchased.

NUMISMATICS.

<i>Serial number.</i>	<i>Accession number.</i>	<i>Metal.</i>	<i>Number.</i>	<i>Particulars.</i>
(1)	(2)	(3)	(4)	(5)
1	929	Bronze ..	1	Medal of the Diocese of Dornakal.
2	930	Copper ..	262	Pandyan copper coins.
3	931	Gold ..	2	One coin of Carol III of Spain and a Venetian sequin of Duke Paolo Renier
4	932	..	21,696	Old Postage stamps of all countries of the world.

ARCHAEOLOGY.

- 1 Nehru—A portrait made of sand and gum—Presented by Father Hilary, Kanyakumari district.
- 2 Portrait of Jawaharlal Nehru—Purchased.
- 3 Portrait of Radhakrishnan—Purchased.
- 4 Three copper plates from Pudukkottai region gift by Sri K. R. Venkatarama Iyer.

CHILDREN'S SECTION.

<i>Serial number.</i>	<i>Accession number.</i>	<i>Particulars.</i>
(1)	(2)	(3)
1	1/64	Six dolls dressed in some of the regional costumes of Germany.
2	2/64	Two dolls dressed in the costume of the country of Hessen—Dt. of Marburg.
3	3/64	Fifteen, cloth dolls in different costumes of India—Height—4".
4	4/64	Furniture for the dolls house—20 numbers.
5	5/64	Two Japanese costume dolls— 1. A Japanese flower girl 2. A Japanese girl with a parasol.
6	6/64	Eight Indian costume dolls

APPENDIX IV.

Visitors to the Museum.

	(1)	1963-64. (2)	1964-65. (3)
Total number of visitors — — — —		572,506	554,436
Total number of Sundays		114,882	124,956
Total number of Dwadesi Day		3,931	3,108
Total number on Kannupongal Day		38,592	20,128

Staff.—The Government ordered that the nomenclature of the Superintendent and Assistant Superintendent in the Government Museum, Madras, be changed as Director of Museums and Assistant Director of Museums in the G.O. Ms. No. 223, Education, dated 23rd February 1965.

One temporary post of Gallery Guard was sanctioned in G.O. Ms. No. 1284, Education, dated 20th November 1964.

The permanent retention of the temporary posts of Artist Modeller and Carpenter was sanctioned with effect from 7th April 1964 in G.O. Ms. No. 502, Education, dated 7th April 1965.

Photographic work.—The Photographer was engaged taking prints for record and sale to the public. A sum of Rs. 997.75 P. was realised by sale of prints and enlargements as against Rs. 853.15 P. in the previous year. During the year under report 363 negatives and 1,766 prints and enlargements were prepared.

Museum Theatre.—The Museum Theatre was used for 200 engagements during the year of which 160 were for dramatic performances, etc., and the rest for rehearsals and meetings. A sum of Rs. 7,004 was realised as rent as against Rs. 6,944 in the previous year. A sum of Rs. 993 has in addition been credited to Government towards overtime fee for the Caretaker's overtime attendance.

Centenary Exhibition Hall.—The Centenary Exhibition Hall was used for 24 exhibitions during the year. A sum of Rs. 718 was realised as rent as against Rs. 570 in the previous year.

APPENDIX V.

List of photographic negatives prepared during the year 1964-65.

ZOOLOGY.

<i>Serial number.</i>	<i>Negative number.</i>	<i>Size.</i>	<i>Subject.</i>
(1)	(2)	(3)	(4)
1	Z.F. 273 ..	$\frac{1}{2}$ size.	Collection trip to Mahabalipuram.
2	274 ..	"	Collection trip to Vedanthangal.
3	275 ..	"	Collection trip to Emur.
4	276 ..	$\frac{1}{2}$ size.	Crustacean diagram—Apus (Brachiopod).
5	277 ..	"	Own diorama.
6	278 ..	"	Flamingo diorama (American Natural History Museum).
7	279 ..	"	The whale shark (Rhiodon typus).
8	280 ..	"	Trygon sephen.
9	281 ..	"	Rayners' shark, Tiger shark, Saw fish.
10	282 ..	"	Rhinobatus djeddensis.
11	283 ..	"	Stegostoma tigrinum (Tiger shark).
12	284 ..	"	Hammer Head Shark (Sphyrna sp.).
13	285 ..	"	The Eagle Ray (Dicerobatis thurstoni).
14	286 ..	$\frac{1}{2}$ size.	Horny Egg case of Elasmobranch Fish.
15	287 ..	"	Electric Ray (Narcine timlei).
16	288 ..	"	Saw Fish (Pristis cuspidatus).
17	289 ..	"	Holacanthus Xanthurus.

APPENDIX V—cont.

List of photographic negatives prepared during the year 1964-65—cont.

ZOOLOGY—cont.

Serial number.	Negative number.	Size.	Subject.
(1)	(2)	(3)	(4)
18	Z. F. 290 ..	$\frac{1}{2}$ size.	Upeneus indicus (Goat fish).
19	291 ..	"	Lutianus sebae.
20	292 ..	"	Pterois miles.
21	293 ..	"	Chrysophrys berda.
22	294 ..	"	Antennarius commersonii.
23	295 ..	"	Scatophagus argus.
24	296 ..	$\frac{1}{2}$ size.	The Cock up (Lates catcarifar).
25	297 ..	"	Etroplus suratensis.
26	298 ..	"	{ Seer (cybium commersoni). White pomfret (stromateus sinensis).
27	299 ..	"	Polynemus indicus.
28	300 ..	"	Platax teira.
29	301 ..	"	Chorinemus lysan.
30	302 ..	"	Ramzania makna.
31	303 ..	"	{ Clupea ilisha. Notopterus kapinat.
32	304 ..	"	Diodon hystrix.
33	305 ..	"	Tetrodon stellatus.
34	306 ..	"	Osphronemus gourami.
35	307 ..	"	Sucker Fish (Echeneis naucratus).
36	308 ..	"	Arius jella with young in its mouth.
37	309 ..	"	Balistes erythrodon.
38	310 ..	"	Gymnothorax faragmeus (Muraena tessellata).
39	311 ..	"	Barbus tor.
40	312 ..	"	Sucker fish (Echeneis sp.).
41	313 ..	"	Acanthocybium solandri (cybium solandri).
42	314 ..	"	Tenthis marmorata (Otolithus argenteus).
43	315 ..	$\frac{1}{2}$ size.	Indian ink diagram of the King Crab (Limulus sp.).
44	316 ..	$\frac{1}{2}$ size.	{ The sole (Psettodes erumei). Osphronemus olfax (Anabas scandans).
45	317 ..	"	The Giant Perch (Epinephelus lanceolatus).
46	318 ..	"	{ Milk fish (Chanos chanos—Chanos salmoneus). Bolone melanostigma.
47	319 ..	"	Mullet (Mugil oour).
48	320 ..	"	Histrophorus brevirostris.
49	321 ..	"	Ophiocephalus micropeltes.
50	322 ..	"	Wallago attu.
51	323 ..	"	{ Uranoscopus gattatus. Whiting (Sillago sihama).
52	324 ..	"	{ Caranx rotteleri. Moon fish (Mene maculata).
53	325 ..	"	{ Flying fish (Cypselurus sp.). Sea horse (Hippocampus trimeculatus).
54	326 ..	"	Thynnus thunniana.
55	327 ..	"	Flamingo diorama under construction.
56	328 ..	"	Map of Babylonla and Assyria.
57	329 ..	"	Sucker fish (Dorsal view and Sucker separately) Echeneis naucratus).
58	330 ..	$\frac{1}{2}$ size.	Scorpion—Indian ink diagram.
59	331 ..	"	Barbus Fish (Barbus ambratus).
60	332 ..	"	Shark—Indian ink diagram.
61	333 ..	$\frac{1}{2}$ size.	Rhemphobatis ancylostomum.
62	334 ..	"	African Crowned crane (Balearica pavonina).

ADMINISTRATION REPORT OF THE

APPENDIX V—cont.

List of photographic negatives prepared during the year 1964-65—cont.

BOTANY.

Number. (1)	Size. (2)	Legend. (3)
B. XVII 4 ..	$\frac{1}{2}$ size.	Line-drawings of construction details of one of the built-in show-cases for "fibres".

GEOLOGY.

Negative number. (1)	Size of film. (2)	Particulars. (3)
G. II a.14 ..	$\frac{1}{2}$ size.	Artificial fulgurites.
G. II. a.15 ..	$\frac{1}{2}$ size.	A cluster of siderite crystals.

ANTHROPOLOGY.

Negative number. (1)	Size. (2)	Particulars. (3)
E. 17-2 ..	$\frac{1}{2}$ size.	Types of faces. Orthognathous and Prognathous.
3 ..	"	Types of skulls. Brachycephalic and Dolicocephalic.
4 ..	"	Measuring points for detecting cranial height.
5 ..	"	Measuring points for determining face length and width.
6 ..	"	Measuring points for cranial length and width.
7 ..	"	Types of Nose.
8 ..	"	Types of lip.
9 ..	"	Types of eye.
10 ..	"	Hair form and texture.
11 ..	"	Arikamedu beads.
12 ..	"	Crocidila Mysore leather shadow figure.
13 ..	"	View of the Government Museum and Library (1903).
14 ..	"	Abbevillian, Acheulian, and Mousterian cultures.
15 ..	"	Yanadis-Three men group.
16 ..	"	Yama's durbar in diorama case.
17 ..	"	Yama's durbar in diorama case (with wire mesh).
18 ..	"	Yama's durbar in diorama case (with plaster of Paris).
19 ..	"	Parvathi-Head dress-Spiral hair.
20 ..	"	Mother goddess-Mohenjadaro-National Museum, New Delhi.
21 ..	"	Steatopygia.
22 ..	"	Sakais blow gun.
23 ..	"	Palaeoliths for exchange-Madrasian types.
24 ..	"	Writing materials of Tamil Nadu.
25 ..	"	Stone implements from Attirampakkam and Giddalur.
26 ..	"	Patunulkaran marriage procession on horse back.
27 ..	"	Patunulkaran marriage procession on horse back wall design.
28 ..	"	Kambila buffalo race by Banta-South Canara.
29 ..	"	Axe of Todas-Toda case.
30 ..	"	Clubs of Todas-Toda case.
31 ..	"	Ornaments-Toda case.
32 ..	"	Bow and Arrows of Todas-Toda case.
33 ..	"	Brass figures of Khonds Khond case.
34 ..	"	Agate beads-Nilgiris excavation.
35 ..	"	Suruma receptacle, coryllium rods and Bronze bangles-Nilgiris excavation.
36 ..	"	Bronze bowls-Nilgiris excavation.
37 ..	"	Do.
38 ..	"	Do.
39 ..	"	Do.
40 ..	"	Bronze bells-Nilgiris excavation.
41 ..	"	Bronze bowls-Nilgiris excavation.
42 ..	"	Yama's durbar case (with exhibits).

APPENDIX V—cont.

List of photographic negatives prepared during the year 1964-65—cont.

			ANTHROPOLOGY—cont.
Negative number.	Size.	Particulars.	
E. XXV. 24 ..	$\frac{1}{2}$ size.	Human skull showing the cranium, face and mandible.	
25 ..	"	Veera Srinkhala.	
26 ..	"	Sri Rama-Malayan leather shadow figure.	
27 ..	"	Subhadra-Andhra leather shadow figure.	
28 ..	"	Veerata-Andhra leather shadow figure.	
29 ..	"	Sri Rama-Mysore leather shadow figure.	
30 ..	"	Palaeoliths and Neoliths from Madras and Andhra.	
31 ..	"	Coimbatore and Pallavaram burial potteries.	
32 ..	"	Mohanur, Coimbatore and Pondicherry Potteries.	
33 ..	"	View of Subway construction between Madras Fort and Madras Beach stations.	
34 ..	"	Do.	
35 ..	"	Do.	
36 ..	"	Do.	
37 ..	"	Ring well in the subway construction between Fort and Beach stations.	
38 ..	"	Do.	
39 ..	"	Preparation of drawers in the cupboards of Toda case to preserve leather shadow figures.	
40 ..	"	Toda case with male and female bust models.	
41 ..	"	Kadar cases with male and female bust models.	
42 ..	"	Fire making case in the new Ethnology Gallery No. II.	
43 ..	"	A view of the new Ethnology Gallery No. II.	
44 ..	"	Do.	
45 ..	"	Do.	
46 ..	"	A view of the new built in cases in the Kathakali gallery.	
47 ..	"	Do.	
48 ..	"	A view of Thurston's Laboratory.	
49 ..	"	A potter at his work with potter's wheel.	
50 ..	"	Do.	
E. XXVI 1 ..	"	Do.	
2 ..	"	Abbevillian, Acheulian and Mousterian cultures.	
3 ..	"	Guruvaru of Nimal clan, and yidgaru of Tokal clan.	
4 ..	"	Yerukalas of Tamil Nad (Korevas).	
5 ..	"	A view of the New Ethnology Gallery No. II.	
6 ..	"	A view of the Kathakali Gallery.	
7 ..	"	Yerukala hut with group of family.	
8 ..	"	Eye types.	
9 ..	"	Pygmies.	
10 ..	"	Adichanallur cock bronze figure.	
11 ..	"	Adichanallur bronze figures.	
12 ..	"	Tribal photographic exhibition—NEFA and Nagaland.	
13 ..	"	Do.	
14 ..	"	Do.	
15 ..	"	Do.	
16 ..	"	Do.	
17 ..	"	Mimic plough—used in Kambla buffalo race—South Canara.	
18 ..	"	Mace heads, pebble stone and bronze rings—Nilgiris Excavation.	
			NUMISMATICS.
INA 48 ..	$\frac{1}{2}$ size.	Obverse of the gilt key used to open the Connemara Public Library buildings.	
49 ..	"	Reverse of the above.	
159 ..	$\frac{1}{2}$ size.	Figure of the building with the tower of the above.	
159 ..	"	Legend on the above.	

APPENDIX V—cont.

List of photographic negatives prepared during the year 1964-65—cont.

ARCHAEOLOGY.

<i>Sl. No.</i>	<i>Size.</i>	<i>Particulars.</i>
1512	Half size.	Thirthankara, Singanikuppam 392/57.
1513	"	Do.
1514	"	Interior view of Bronze Gallery.
1515	"	Interior view of metalware Gallery.
1516	"	Script—Grantha and Tamil.
1517	"	Canarese—Telugu.
1518	"	Nagari.
1519	"	Brahmi.
1520	"	Tirthankara—Singanikuppam.
1521	"	Group photo taken on the occasion of Museum seminar, in Sept. 63.
1522	"	Bronze Gallery—General view.
1523	"	Another view of above.
1524	"	Wood carvings.
1525	"	Do
1526	"	Bronzes—Balasubrahmanya—Venugopala Buddha and Votive stupa in two parts.
1527	"	Village scene, by Raja Raja Varma.
1528	"	Water carrier, by Raja Raja Varma.
1529	"	Village Lad.
1530	Small size.	One set of images—Treasure trove from Edamandal, Sirkali taluk, Thanjavur district.
1531	half size.	Durga with Deer mount, Thanjavur district.
1532	"	Hero stone, Veeracholapuram.
1533	"	Rama and Sita (Replicas) front view.
1534	"	Rama and Sita (Replicas) back view.
1535	"	Chauribearer and Surya (wood carving).
1536	"	Dakshinamurti and Bhairava (wood carving).
1537	"	Krishna with consorts and gana with gada (wood carvings).
1538	Small size.	One set of 11 negatives from Sirukarumbur.
1539	"	One set of 11 negatives from Kaveripakkam.
1540	"	View of Room I showing Ravivarma's Works.
1541	"	View of Room II wood carvings.
1542	"	View of Room III.
1543	"	Four Moghul paintings.
1544 } 1545 } 1546 } 1547 }	Half size	Karvet nagar paintings (Acc. 426, 428 and 439).
1548	Small size	Copper plate grants (13 No.).
1549	"	Somaskanda.
1550	"	Srinivasa.
1551	"	Maniekkavachakar.
1552	"	Tirumangai Alwar, Kalpattu.
1553	"	Parvati, Kurichi.
1554	"	Chandikoovara, Vettialangulam, Ramanathapuram district.
1555	"	Jain Tirthankara and Buddha.
1556	$\frac{1}{2}$ size	Deepa Lakshmi—Maniekkavachakar.
1557	Half size	General view of Bidriware case in metal ware gallery.
1558	"	General view of embossed copper plates.
1559	"	General view of lamps in metal ware gallery.
1560	$\frac{1}{2}$ size	Vase loaned by Sri P. V. R. Naidu.
1561	Small size	Buddha.

APPENDIX V—*cont.**List of photographic negatives prepared during the year 1964-65—cont.*ARCHAEOLOGY—*cont.*

<i>Slide.</i>	<i>Size.</i>	<i>Particulars.</i>
(1)	(2)	(3)
1562	Small size ..	Venugopala, Kalpattu.
1563	"	Jain Tirthankara.
1564	"	Balakrishna (Paruthiyur).
1565	"	Nataraja, Kankoduthavanitham.
1566	"	Do.
1567	Half size ..	View of exhibition during International Historical monuments Campaign.
1568	"	Do.
1569	"	Do.
1570	"	View of New Buddhist gallery.
1571	"	Do.
1572	"	Nataraja with consort, Big temple.
1573	"	Wood carvings Loaned to Madras House, New Delhi.
1574	$\frac{1}{2}$ size	Stone Vishnu (No. 2578). Do.
1575	Small size ..	12 negatives from tour to Pudukkottai and Madurai.
1576	Half size ..	Line block of diagram at p. 68 in Nagapattinam bronzes.
1577	"	Buddha Plate II, Fig. 3. }
1578	"	Buddha Plate XXVIII, Fig. 1. } Do.
1579	"	Buddha Plate IV, Figs. 2 and 3. }
1580	$\frac{1}{2}$ size	Vishnu, Kalapattu, South Arcot district.
1581	"	Pilaster capital with winged bull, Jagayyapeta.
1582	"	Pilaster capital with lion and horse.
1583	"	Temple (Reduced Model), Nagarjunakonda.
1584	"	Queen's Bath tub (Reduced Model), Nagarjunakonda.
1585	"	Stadium Bath tub (Reduced Model), Nagarjunakonda.
1586	"	Asvamedha Bath tub (Reduced Model), Nagarjunakonda.
1587	Half size ..	Srinivasa, Kalpattu, South Arcot district.
1588	"	Tripurantaka, Vallam, Thanjavur.
1589	"	Tripurantaka, Tirukkodikaval, Thanjavur.
1590	"	Tirumangai Alwar, Kalpattu, South Arcot district.
1591	"	Krishna, Kalpattu, South Arcot district.
1592 } 1593 } 1594 } 1595 }	Small size ..	Four negatives from Sri Sage, Nazareth.
1596	$\frac{1}{2}$ size	Exterior view of National Art Gallery.
1597	"	Interior view of National Art Gallery.
1598	"	Do.
1599	"	Do.
1600	"	Do.

CHILDREN'S SECTION.

<i>Serial number.</i>	<i>Neg. number.</i>	<i>Size.</i>	<i>Subject.</i>
(1)	(2)	(3)	(4)
1	F. 25	Half size.	Two German costume dolls.
2	26	"	Three German costume dolls.
3	27	"	One German costume doll.
4	28	"	The mineral kingdom.
5	29	"	Transport (Land and air).
6	30	"	Scale model of the Montgolfier Balloon.
7	31	"	Two German costume dolls from the District of Marburg.

APPENDIX VI.

Price list of Madras Government Museum Bulletin (New series).

Note.—Orders for copies of the publications should be accompanied by remittance to cover the cost and postage. For the trade terms, the Director, Government Press, Madras, or the Director of Museums, Government Museum, Madras, should be addressed.

<i>Volume and number.</i>	<i>Description.</i>	<i>of Number pages.</i>	<i>of Number plates.</i>	<i>Price.</i>
(1)	(2)	(3)	(4)	(5)
				RS. P.
NATURAL HISTORY SECTION.				
Vol. I, No. 1, 1927. —	The Littoral Fauna of Krusadai Island in the Gulf of Mannar, with appendices on the vertebrates and plants. By various authors.	196	26	8 00.
† Vol. I, No. 2, Part I, 1933.	Supplement to the Littoral Fauna of Krusadai Island in the Gulf of Mannar — Polychæta by P. Fauvel, Pycnogonida by B. Sundara Raj, and Alpheidea by F. H. Gravely.	79	1	2 00.
† Vol. I, No. 2, Part 2, 1931.	Three Species of Aleyonaria. By Sydney J. Hickson, F.R.S. (with three text figures).	9	Nil.	0 25.
† Vol. I, No. 2, Part 3, 1936.	Scyphomedusæ of Krusadai Island. By M. G. K. Menon, M.A.	9	1	0 50
† Vol. I, No. 2, Part 4, 1937.	Supplement to the Littoral Fauna of Krusadai Island in the Gulf of Mannar — Porifera. By M. Burton, D.Sc.	58	9	1 87
† Vol. I, No. 2, Part 5, 1943.	The Foraminifera of Krusadai Island in the Gulf of Mannar. By C. P. Gnanamuthu, M.A., D.Sc. F.Z.S.	21	4	1 37
Vol. I, No. 2, Part 6 ..	Amphineura Gastropoda of Krusadai Island. By S. Thomas Satyamurti, M.A., F.Z.S.	267	34	10 75.
Vol. I, No. 2, Part 7 ..	Scaphopoda Pelecypoda and Cephalopoda of Krusadai Island. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	202	30	9 37
† Vol. II, 1929 ..	The Flowering Plants of the Madras City and its immediate neighbourhood. By P. V. Mayuranathan, B.A., Botanical Assistant, Madras Museum.	345	83	8 00.
Vol. III, No. 1, 1930 —	The Scyphomedusæ of Madras and the neighbouring Coast. By M. G. K. Menon, M.A., Research Scholar, Madras University Zoological Laboratory.	28	3	1 12.
Vol. III, No. 2, 1932 ..	The Hydromedusæ of Madras. By M. G. K. Menon, M.A.	32	3	1 12
Vol. III, No. 3, 1933 ..	The Life Histories of Decapod Crustacea from Madras. By M. Krishna Menon, M.A.	45	10	} Bound in one volume. 2 37
Vol. III, No. 4, 1933 ..	Sagitta of the Madras Coast. By C. C. John, M.A., D.Sc.	10	1	
Vol. III, No. 5, 1937 ..	Decapod Larvæ from the Madras Plankton. By M. Krishna Menon, M.A., M.Sc.	55	9	1 87
Vol. III, No. 6, 1940 ..	Decapod Larvæ from the Madras Plankton—II. By M. Krishna Menon, M.A., M.Sc.	47	8	1 50
Vol. IV, No. 1, 1931 ..	The Indian Species of Genus Caralluma (Fam. Asclepiadaceæ). By F. H. Gravely, D.Sc., and P. V. Mayuranathan, B.A., Government Museum, Madras.	28	4	1 50

† This number is reserved for supplements to Krusadai Island, Fauna.

‡ Out of stock.

APPENDIX VI—cont.

Price list of Madras Government Museum Bulletins (New series)—cont.

<i>Volume and number.</i>	<i>Description.</i>	<i>Number of pages.</i>	<i>Number of plates.</i>	<i>Price.</i>
(1)	(2)	(3)	(4)	(5)
	NATURAL HISTORY SECTION—cont.			RS. P.
* Vol. IV, No. 2, 1938 ..	Supplement to the Flowering Plants of Madras City and its immediate neighbourhood. By E. Barnes, D.Sc.	46	7	1 67
Vol. V, No. 1, 1941 ..	Shells and other Animal Remains found on the Madras Beach. I. Groups other than snails, etc. By F. H. Gravely, D.Sc.	112	NIL.	3 12
Vol. V, No. 2, 1942 ..	Shells and other Animal Remains found on the Madras Beach. II Snails, etc. (Mollusca Gastropoda). By F.H. Gravely, D.Sc.	110	NIL.	2 75
Vol. VI, No. 1, 1949 ..	The Thaliacea of the Madras Plankton, By R. Velappan Nair, M.Sc.	41	6	1 75
* Vol. VI, No. 2 ..	Cirripedia of the Madras Coast. By A. Daniel.	40	16	2 37
Vol. VI, No. 3, 1959 ..	The Amphipoda of the Madras Coast. By K. Nagappan Nair, M.Sc.	59	16	4 35
Vol. VI, No. 4, 1960 ..	The Land and Freshwater Molluscs in the Collection of the Madras Government Museum. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	174	21	13 00
1960	Guide to the Snakes exhibited in the Reptile Gallery. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	25	..	0 75
1961	Guide to Snakes exhibited in the Reptile Gallery (Tamil). By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	26	18	0 62
1962	Guide to the Lizards, Crocodiles, Turtles and Tortoises exhibited in the Reptile Gallery. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	45	28	1 37
1963	Guide to the Galleries of Foreign Animals, General Zoology, skeletal exhibits and Amphibians. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	65	40	3 00
1964	Guide to Manual Gallery. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	..	..	2 36
	GENERAL SECTION (WITH SEPARATE VOLUMES FOR ANTHROPOLOGY AND ARCHAEOLOGY, RESPECTIVELY).			
Vol. I, No. 1, 1929 ..	Buddhist Sculptures from a Stupa near Goli village, Guntur district. By T. N. Ramachandran, M.A.	44	12	1 55
* Vol. I, No. 2, 1932 ..	Catalogue of the South Indian Hindu Metal Images in the Madras Government Museum. By F. H. Gravely, D.Sc., and T. N. Ramachandran, M.A.	144	23	5 60
* Vol. I, No. 3, 1934 ..	Thiruparuttikundram and its temples with appendices on Jaina units of measurement and time cosmology and classification of souls. By T. N. Ramachandran, M.A.	260	37	11 25
Vol. II, No. 1, 1930 ..	The Adichanallur skulls. By S. Zuckerman, M.A., M.R.C.S., L.R.O.P., with Notes by Prof. G. Elliot Smith, F.R.S.	24	3	1 37
Vol. II, No. 2, 1931 ..	The Sri Vaishnava Brahmins. By Diwan Bahadur K. Rangaswari, M.A., L.T.	158	2	5 75

* Out of stock.

APPENDIX VI—cont.

Price list of Madras Government Museum Bulletins (New series)—cont.

Volume and number.	Description.	Number of pages.	Number of plates.	Price.
(1)	(2)	(3)	(4)	(5) RS. P.
GENERAL SECTION (WITH SEPARATE VOLUMES FOR ANTHROPOLOGY AND ARCHAEOLOGY RESPECTIVELY)—cont.				
Vol. III, No. 3, 1931 ..	Catalogue of the Musical Instruments exhibited in the Government Museum, Madras. By P. Sambamurthi, B.A., B.L. (Revised Edition).	32	14	2 25
* Vol. II, No. 4, 1937 ..	Social and Physical Anthropology of the Nayadis of Malabar. By A. Aiyappan, M.A.	141	12	3 12
Vol. III, No. 1, 1934 ..	The Three Main Styles of Temple Architecture recognized by the Silpasastras. By F. H. Gravely, D.Sc., and T. N. Ramachandran, M.A.	26	2	1 10
Vol. III, No. 2, 1936 ..	An Outline of Indian Temple Architecture. By F. H. Gravely, D.Sc.	20	2	0 50
Vol. III, No. 3, 1938 ..	Catalogue of Venetian Coins in the Madras Government Museum. By T. G. Aravamuthan, M.A., B.L.	59	1	1 50
* Vol. III, No. 4 ..	Indian Epigraphy and South Indian Scripts. By C. Sivaramamurthi, M.A.	280	12	14 50
1939	Guide to the Archaeological Galleries. An Introduction to South Indian Temple Architecture and Sculpture. By F. H. Gravely, D.Sc., and C. Sivaramamurthi, M.A., and other Curators.	50	4	0 55
1939	Illustrations of Indian Sculpture—Mostly Southern. For use with the Guide to the Archaeological Galleries. By F. H. Gravely, D.Sc., and C. Sivaramamurthi, M.A.	..	45	0 95
Vol. IV, 1942.. ..	Amaravati Sculptures in the Madras Government Museum. By C. Sivaramamurthi, M.A.	376	65	16 50
* Vol. V, No. 1, 1944 ..	Iravas and Culture Change. By A. Aiyappan, M.A., PH.D. (London).	204	12	16 60
Vol. VI, No. 1, 1952 ..	Possible Sumerian Survivals in Toda Ritual. By H. R. H. Prince Peter of Greece, M.A. (Hry), LL.D.	24	10	6 25
* 1952	Madras Government Museum Centenary Souvenir (1851-1951).	168	12	5 00
1952	Guide to the Buddhist Antiquities. By A. Aiyappan, and P. R. Srinivasan.	54	12	0 80
Vol. VII, No. 1, 1954 ..	Nagapattinam Bronzes. By T. N. Ramachandran.	150	30	6 00
1953	Coins of India Through the ages ..	17	3	0 40
* 1957	Early Eastern Chalukyan Sculpture. By C. Sivaramamurthi.	71	35	2 90
Vol. VII, No. 3, 1959 ..	Select Satavahana Coins in the Madras Government Museum. By M. Rama Rao, M.A., PH.D.	23	2	1 75
Vol. VII, No. 4, 1959 ..	Beginnings of the Traditions of South Indian Temple Architecture. By P. R. Srinivasan, M.A.	34	..	1 70
Vol. VII, No. 5, 1959 ..	The Gopuras of Tiruvannamalai. By F. H. Gravely, D.Sc.	8	13	5 90

* Out of stock.

APPENDIX VI—cont.

Price list of Madras Government Museum Bulletins (New series)—cont.

Volume and number.	Description.	Number of pages.	Number of plates.	Price.
(1)	(2)	(3)	(4)	(5)
				RS. P.
GENERAL SECTION (WITH SEPARATE VOLUMES FOR ANTHROPOLOGY AND ARCHAEOLOGY, RESPECTIVELY)—cont.				
1960	Handbook of Museum Technique, Edited by A. Aiyappan, M.A., Ph.D., and S. T. Satyamurti, M.A., D.Sc., F.Z.S.	228	11	2 75.
1960	Scripts in and around India. By V. Kanniyar, B.A.	46	..	2 70
1961	Kalaichelvangal (Tamil). By R. Naga- swamy, B.A. (Hons.)	66	40	1 00.
1962	Pazankala Panpadum Pasam Kudir- kalin Panpadum (Tamil). By C. J. Jayadev, M.A., L.T., and M. Raghu- pathy, M.A., M.A.	61	33	1 60
Vol. VIII, 1963	Bronzes of South India. By P. R. Srinivasan, M.A.	396	205	57 00.
1964	Hand Book of Madras Government Museum. Edited by S. T. Satyamurti, M.A., D.Sc., F.Z.S.	..	..	5 40.
1964	Guide to Anthropological exhibits. By S. T. Satyamurti, M.A., D.Sc., F.Z.S.	..	..	1 05
1964	Nelamba sculptures. By C. Sivarama- murthi.	..	..	14 12.

APPENDIX VII.

Receipts and Expenditure.

(A) RECEIPTS.

	Amount.
	RS. P.
1 Sale of Photos	997 75.
2 Sale of Photo album	54 00.
3 Sale of coins	326 94
4 Sale of Metal casts of coins	1,250 00
5 Sale of Replicas of Rama, Sita and Nataraja	3,925 00
6 Sale of Microfilming copies	657 10
7 Overtime fees of Caretaker remitted into Reserve Bank of India	993 00.
8 Unspent police charges	474 66
9 Other Miscellaneous receipts	1,177 61
10 Sale of Publications	7,333 39.
11 Sale of Picture Post cards	402 90
12 Museum Theatre rent	7,004 00.
13 Centenary Exhibition Hall rent	718 00.
14 Motor pump charges	292 50
15 Museum Restaurant	1,944 00
16 Cycle stand rent and deposit	735 00.
	<hr/>
	28,285 85.

ADMINISTRATION REPORT OF THE

APPENDIX A.

Number of visitors visited the Pudukkottai Museum from May 1964 to April 1965.

Year.	Month.	Number.
(1)	(2)	(3)
1964	May	11,638
	June	9,270
	July	10,111
	August	8,219
	September	8,830
	October	7,880
	November	8,011
	December	11,381
1965	January	11,555
	February	17,005
	March	25,385
	April	10,750
		<hr/> 140,430 <hr/>

APPENDIX B.

List of schools visited the Museum from 15th April 1964 to 14th April 1965.

Serial number and date.	Name and place of school.	Number of teachers.	Number of students.
(1)	(2)	(3)	(4)
1 22nd April 1964	— — Ranjore Samiyappa Co-operative Super- visors Training School (Institute).	1	25
2 24th April 1964	— — Chevayappatti Panchayat Union Elemen- tary School, Karumbakkudi.	1	33
3 13th July 1964	— — Panchayat Union School, Erode	1	48
4 Do.	— — Municipal Senior Basic School, Machu- vadi.	4	100
5 18th July 1964	— — Panchayat Union Elementary School, Nedunjeri.	2	17
6 31st July 1964	— — Rani's Girls' High School, Pudukkottai ..	4	300
7 Do.	— — S.B.F. Primary School, Ramachandra- puram.	2	..
8 10th August 1964	— — Malaiyeedu Municipal School, Malaiyeedu.	1	23
9 21st August 1964	— — Kottaiyur .. .. .	..	23
10 Do.	— — Teachers' Training School, Karumbakkudi.	1	20
11 2nd September 1964	— — Municipal School, 2nd South Street, Pudukkottai.	..	..
12 5th September 1964	— — Mallangudi, Tirumayam	1	13
13 Do.	— — Arch. Annal High School, Tiruchirap- palli.	9	55
14 10th September 1964	— — Sri Saraswathi High School, Konaput ..	10	42
15 15th September 1964	— — M.D.T. Hindu College, Tiruchirappalli ..	2	71
16 17th September 1964	— — Pudukkottai Municipal School, Pillai Thannir Pandal.	1	32
17 19th September 1964	— — Sathyamurthi Memorial Elementary School, Aranthangi.	8	82
18 Do.	— — Panchayat Union Higher Elementary School, Alangudi.	1	12
19 2nd October 1964	— — Kazhaka Higher Elementary School, Arimalam.	1	19

APPENDIX B—cont.

List of schools visited the Museum from 15th April 1964 to 14th April 1965—cont.

Serial number, date.	Name and place of school.	Number of teachers.	Number of students.
(1)	(2)	(3)	(4)
20 31st October 1964 ..	R. C. Senior Basic School, Marthandapuram.	1	49
21 7th November 1964 ..	Union High School, Chembuthi	2	20
22 10th November 1964 ..	Basic Training School, Namakkal ..	4	96
23 Do. ..	Akarapatti Union School, Annavaasal ..	1	13
24 13th November 1964 ..	Kalayarkoil, Pagamery, Sivaganga Taluk.	7	49
25 Do. ..	Municipal School, Nagai	4	140
26 17th November 1964 ..	Union School, Visalur, Pulavayal Nilayampatti.	3	45
27 20th November 1964 ..	Sirumalur Higher Elementary School, Karaikudi.	3	30
28 25th November 1964 ..	....	3	81
29 28th November 1964 ..	....	2	19
30 4th December 1964 ..	R.C. Basic Training School, Tiruchirappalli.	1	19
31 17th December 1964 ..	School, Rajagopalapuram	2	58
32 19th December 1964 ..	Vadakku Chettipatti School	2	43
33 24th December 1964 ..	Panchayat Union Elementary School, Agarapatti.	1	5
34 29th December 1964 ..	School, Tirupur	1	14
35 7th January 1965 ..	Nallipatti School	1	19
36 8th January 1965 ..	Kalamagaj Vidyasalai Higher Elementary School, Sirukoodalpatti.	..	..
37 18th January 1965 ..	Municipal School, Adappanavayal ..	4	60
38 30th January 1965 ..	R.C. Higher Elementary School, N.M.T. Colony, Sembettur, Tiruchirappalli.	1	12
39 26th February 1965 ..	Hindu Elementary School, Pommakottai.	10	40
40 2nd March 1965 ..	Agnes Higher Elementary School, Golden Rock, Tiruchirappalli.	8	92
41 4th March 1965 ..	Panchayat Union Elementary School, Mangaram, Tiruchirappalli.	..	..
42 Do. ..	Panchayat Union Elementary School, Nerinsikudi, Tiruchirappalli.	..	..
43 7th March 1965 ..	Panchayat Union Higher Elementary School, Tirumanjola (via) Sivaganga.	3	23
44 13th March 1965 ..	Panchayat Union Elementary School, Mangudi, Annavaasal.	2	35
45 Do. ..	Nehru Higher Elementary School, Aathanakudi.	2	17
46 Do. ..	H.M. Panchayat Union Elementary School, Vellayakonepatti.	1	10
47 Do. ..	H.W. Higher Elementary School, Turaiyur, Tiruchirappalli.	3	21
48 20th March 1965 ..	Panchayat Union Higher Elementary School, Manganoore, Ponnamaravathi.	2	14
49 22nd March 1965 ..	R.C. Higher Elementary School, Puliyeditharamam, Sivaganga.	9	65
50 27th March 1965 ..	Palakarai School, Tiruchirappalli ..	10	80
51 30th March 1965 ..	Schools from Kannandhankudi, Melayur, Orathanadu, Orathanadu Panchayat Union.	3	74
52 3rd April 1965 ..	St. Anne's Senior Basic School, Tiruchirappalli.	15	53
53 6th April 1965 ..	Government Girls' High School, Karuvoor.	4	96
54 9th April 1965 ..	.. ..	2	12
55 12th April 1965 ..	A. L. V. Aatchi Panchayat Union, Elementary School, Kottaiyur.	3	50
56 Do. ..	Panchayat Union Higher Elementary School, Mundaiyur, Viraimalai.	..	..

APPENDIX C.

Statement showing receipts and expenditure in the Government Museum, Pudukkottai-2, for 1964-65.

(A) Receipts.

								RS.
Sale of Handy Guides (English)	..	..	..	..	..	..	..	2-35
Sale of Handy Guides (Tamil)	..	..	..	..	..	..	..	9-80
							Total	12-15

(B) Expenditure.

						Budget Estimate.	Actuals.
(1)						(2)	(3)
						RS.	RS.
27. Scientific Department-A. Museums.							
2. Pay of Establishment	..	..	..	..	..	13,569	13,425
3. Allowances—							
Travelling Allowance	..	..	..	..	..	415	362
Dearness Allowance	..	..	..	..	..	3,583	3,568
Other Compensatory Allowance	..	..	..	..	..	686	662
4. Office Contingencies—							
Furniture and fittings	..	..	..	..	..	3,273	2,980
Rates and Taxes	..	..	..	..	..	427	438
Pay of Contingent Staff	..	..	..	..	..	518	517
Dearness Allowance to Contingent Staff	..	..	..	..	..	691	691
Special Compensatory Allowance	..	..	..	..	..	397	396
Other Contingencies	..	..	..	..	..	2,418	2,233
5. Other Charges—							
Apparatus and Materials	..	..	..	..	..	771	779
Cost of specimens	..	..	..	..	..	..	..
Other Charges	..	..	..	..	..	25	28
III. Five-Year Plan—							
Pay	..	..	..	..	..	1,160	1,203
Dearness Allowance	..	..	..	..	..	254	254
Other Compensatory Allowance	..	..	..	..	..	50	50

APPENDIX D.

List of library books added during 1964-65.

- 1 Maan India Vol. 44 No. 2 April-June 1964.
- 2 Do. 3 July-September 1964.
- 3 Do. 4 October-December 1964.
- 4 Marg. Vol. XVII No. 1 December 1963.
- 5 Do. 2 March 1964.
- 6 Do. 3 June 1964.
- 7 Do. 4 September 1964.
- 8 Journal of Bombay Natural History Society Vol. 60 No. 3 December 1963.
- 9 Do. 61 No. 1 April 1964.
- 10 Do. 2 August 1964.
- 11 Cultural Forum Vol. VI No. 3 May 1964.
- 12 Do. 4 November 1964.
- 13 The Madras Pension Code II Edition 1964.
- 14 Hand Book of the Madras Government Museum.
- 15 District Office Manual Parts I and II corrected up to 1st June 1958 to 1963 Edition.
- 16 District Office Manual (Tamil) 1961.
- 17 Nolamba sculptures in the Madras Museum by C. Sivaramamurthy.

APPENDIX E.

The list of distinguished visitor and their remarks between May 1964 and April 1965.

<i>Date of visit.</i>	<i>Name and designation.</i>			<i>Remarks.</i>
(1)	(2)			(3)
22nd May 1964	--	--	Sri M. K. Deena Dayalan, Director, Postal Services, Madras.	Today I had the pleasure of going round this small but fine Museum. The exhibits are very nicely arranged and are very instructive. Especially the collections relating to stuffed insects, birds as well as the copper plates, etc., are very well exhibited. Above all the efforts put in by the Curator and his staff deserves our whole hearted commendations. In short I enjoyed my visit to this interesting Museum.
5th June 1964	--	--	Sri S. Byravan, Sub-Magistrate, Pudukkottai.	I had the pleasure of going round the Museum. I was very much impressed by the collections and exhibits.
2nd July 1964	--	--	Sri B. Venkataraman, I. A. S., Secretary, Home Cultural Affairs Department and Ex- officiating Director of Cultural Affairs, Bhubaneswar, Orissa.	I came on a study of specimen display in a district of local Museum. I thank the Curator for giving me all the assistance in my study.
6th July 1964	--	--	Sri A. M. Sunderaraj, R. D. O., Thanjavur.	This is an excellent Museum, the exhibits are preserved and displayed well.
7th July 1964	--	--	Sri M. R. Varadarajan, Chief Recruiting Officer, Madras, Mysore, Andhra Pradesh and Kerala.	A Museum which is making efforts to become one of the good ones in the South. Clean, neat and well laid out.
29th August 1964	--	--	Smt. Lekshmi N. Menon, Ministry of State in the Ministry of External Affairs, New Delhi.	This is a Museum with remarkably good collections and an enthusiastic Curator who is both knowledgeable and dedicated to his job. The Museum is terribly handicapped by lack of space. The display of these treasures of art demands a better more suitably designed and spacious building. Over crowding takes away the innate beauty of these treasures. I suggest that a new and spacious building is constructed to preserve and display these rare and beautiful treasure for the education and enlightenment of our people. I express my appreciation of gratitude, to the Curator for showing us round and explaining the objects of art.
24th September 1964	--	--	Dr. A. Ramaswami, State Editor, District Gazetteers, Govern- ment of Madras.	I am very much impressed by the fine collection of exhibits that portray the district from very ancient times. There are a bundant possibilities for enlarging the number of the exhibits. No doubt, it will involve securing of a special building. This Museum plays a very important role today for educating the people of these parts.
23rd October 1964	--	--	Sri B. Srinivasan, I.P.S., Pro. Suptintendent of Offices.	The collections of minerals and rocks as well as those of birds, fishes, etc., are quite interesting. Above all the exhibits of bronze statues and stone sculptures belonging to the period 8th to 13th centuries are all expressive of the once rich cultural renaissance of this part of the country around Pudukkottai, and this part of the Museum is thus an epitome of the culture and history of Pudukkottai.

S. T. SATYAMURTI,

Director of Museums, Government Museum, Madras.



EDUCATION AND PUBLIC HEALTH DEPARTMENT

(Education.)

G.O. No. 1475, 9th August 1965

Museums—Administration Report of Government Museum at Madras and Pudukkottai and National Art Gallery, Madras, for the year 1964-65—Recorded.

READ—the following paper :—

Letter from the Director of Museum Madras, dated 1st June 1965,
L. No. 1961/65-E1.

Order—No. 1475, Education, dated 9th August 1965.

Recorded.

(By order of the Governor)

J. ANJANI DAYANAND,
Deputy Secretary to Government.

To the Director of Museums, Madras-8.

" Director of Secondary Education, Madras-5.

" Director of Higher Education, Madras-6.

" Accountant-General, Madras-18.

" Director-General of Archaeology of India, New Delhi.

" Revenue Department.

" Industries, Labour and Co-operation Department.

" Librarian, Madras Legislative Library, Madras-9.

" Librarian, Madras Secretariat Library, Madras-9.

" Director of Stationery and Printing, Madras-1 (with a copy of the Administration report for printing and supply of printed copies as specified in Director of Museum's letter).

